

Lab. Reference: 2024-5013

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: Cosmo White (5130)

DATE OF INVESTIGATION: 11/09/2024

DATE RECEIVED: 17/10/24

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 30/10/24

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 23/10/2024

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-5013-1	Cosmopolitan White (5130)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

This TestSafe Australia report (including any extract of the report) must not be used as a certification, approval, endorsement or a statement of safety of the material tested, or of any activity or proposed activity of the Customer or any third party. Results are reported from the Limit of Reporting (LOR) stated. A non-detect or <LOR result does not mean that the material is silica-free, as trace amounts may be present. This report only relates to the particular Testable Item that is provided to TestSafe. Further information can be found in the TestSafe – General Terms and Conditions, which apply to the performance of Services undertaken by TestSafe. The Terms and Conditions can be accessed via the TestSafe website and/or via this link:

<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 23/10/2024

Reference number	2024-5013-1
Sample image  Approximate portion analysed	

Lab. Reference: 2024-0479-A

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: Snow; Intense White; Ocean Foam; Organic Wh

DATE OF INVESTIGATION: 06/02/2024

DATE RECEIVED: 6/02/24

ANALYSIS REQUIRED: Alpha Quartz

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.


Martin Mazereeuw
Manager

Date: 28/03/24

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone

Date of Analysis: 7/3/2024

Reference number	Sample ID	α -Quartz (% w/w)
2024-0479-A-1	2141-Snow	<LOQ
2024-0479-A-2	6011-Intense White	<LOQ
2024-0479-A-3	6141-Ocean Foam	<LOQ
2024-0479-A-4	4600-Organic White	<LOQ

Comments: The samples were ground and analysed.

Method Description : Direct Determination of Alpha Quartz in Bulk Samples by X-ray diffractometry.

Method No. : WCA.115

Limit of Quantitation: 1% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be crystalline quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

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Lab. Reference: 2024-0479-B

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

SAMPLE ORIGIN: Snow;Intense White;Ocean Foam;Organic Wh

DATE OF INVESTIGATION: 06/02/2024

DATE RECEIVED: 6/02/24

ANALYSIS REQUIRED: Cristobalite

RESULTS OF ANALYSIS

See attached sheet(s) for sample description and test results.

For all administrative or account details please contact Jeanine Wells.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw

Manager

Date: 28/03/24

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone

Date of Analysis: 7/3/2024

Reference number	Sample ID	Cristobalite (% w/w)
2024-0479-B-1	2141-Snow	<LOQ
2024-0479-B-2	6011-Intense White	<LOQ
2024-0479-B-3	6141-Ocean Foam	<LOQ
2024-0479-B-4	4600-Organic White	<LOQ

Comments: The samples were ground and analysed.

Method Description : Direct Determination of Alpha Quartz in Bulk Samples by X-ray diffractometry.

Method No. : WCA.115 modified

Limit of Quantitation: 1% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be crystalline quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

IMPORTANT INFORMATION

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Lab. Reference: 2024-2795

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: JetBlk(3100);AlpMist(5110);FrstyCar(5141)

DATE OF INVESTIGATION: 19/06/2024

DATE RECEIVED: 21/06/24

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 21/08/24

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 6/8/2024

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-2795-1	Jet Black (3100)	<LOR	<LOR
2024-2795-2	Alpine Mist (5110)	<LOR	<LOR
2024-2795-3	Frosty Carrina (5141)	<LOR	<LOR

Comments: The samples were ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and '±' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

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<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 6/8/2024

Reference number	2024-2795-1
Sample image 	

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 6/8/2024

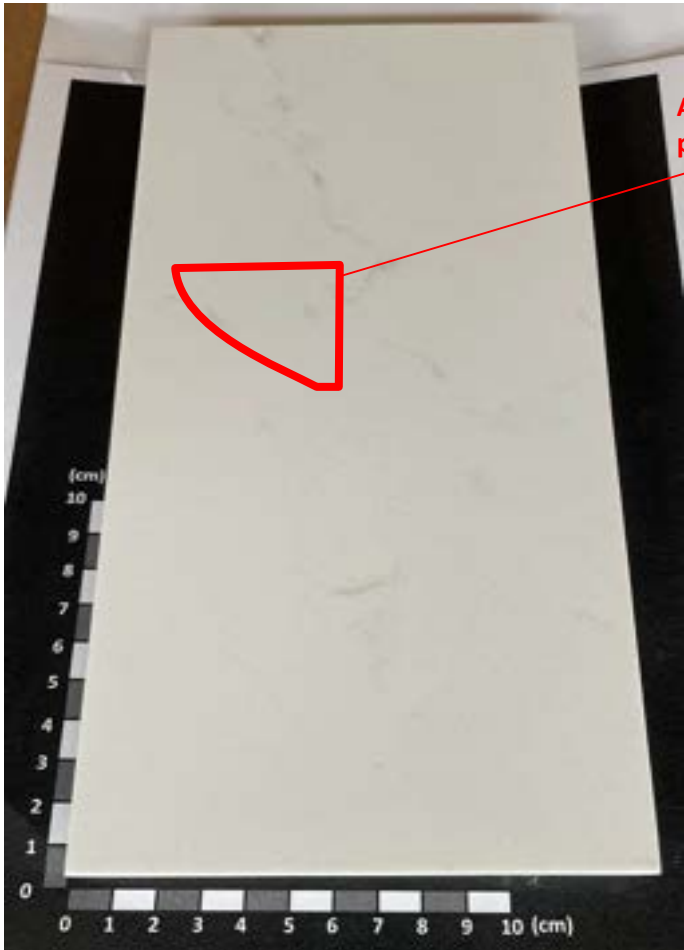
Reference number	2024-2795-2
Sample image  Approximate portion analysed	

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 6/8/2024

Reference number	2024-2795-3
Sample image  Approximate portion analysed	

Lab. Reference: 2024-2797

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: PureWht(1141);FreConc(4001);RawCon(4004)

DATE OF INVESTIGATION: 19/06/2024

DATE RECEIVED: 21/06/24

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 10/09/24

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 2/9/2024

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-2797-1	Pure White (1141)	<LOR	<LOR
2024-2797-2	Fresh Concrete (4001)	<LOR	<LOR
2024-2797-3	Raw Concrete (4004)	<LOR	<LOR

Comments: The samples were ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

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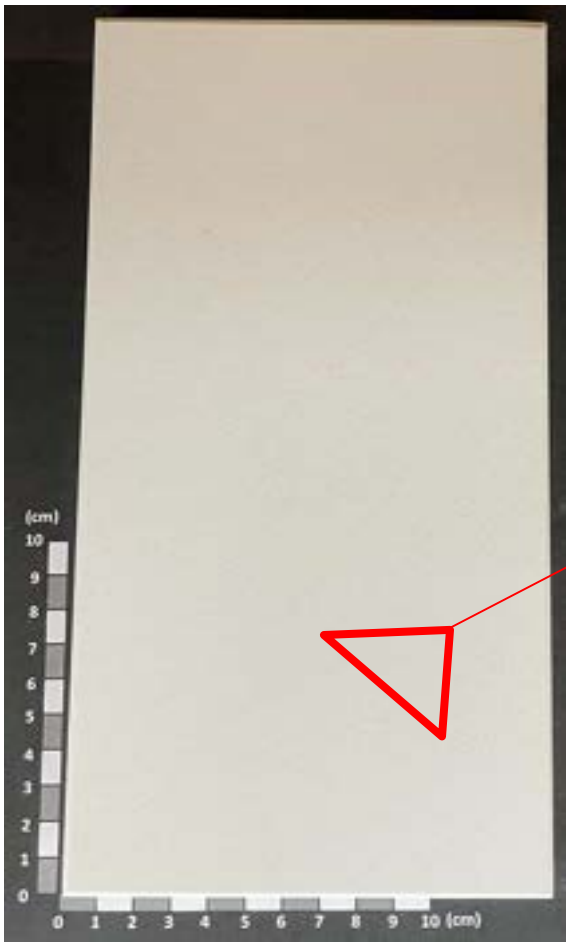
<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 2/9/2024

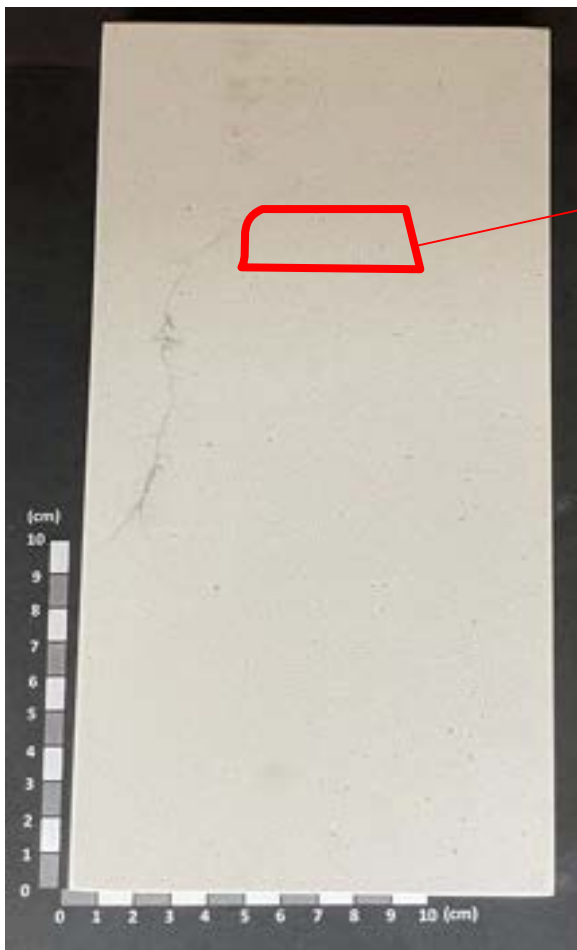
Reference number	2024-2797-1
Sample image  Approximate portion analysed	

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 2/9/2024

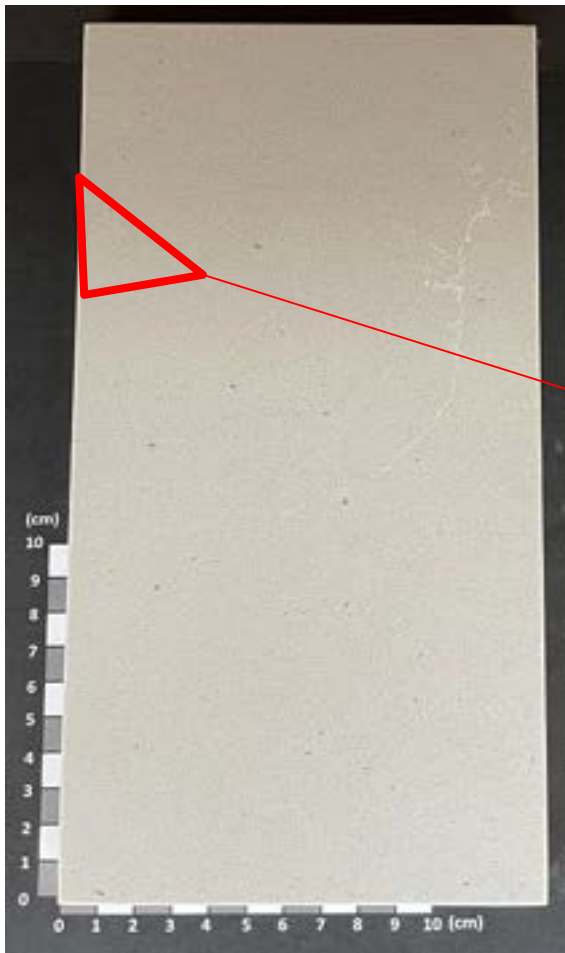
Reference number	2024-2797-2
Sample image  Approximate portion analysed	

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 2/9/2024

Reference number	2024-2797-3
Sample image  Approximate portion analysed	

Lab. Reference: 2024-2796

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: EmpWht(5151);Osprey(3141);StatMax(5031)

DATE OF INVESTIGATION: 19/06/2024

DATE RECEIVED: 21/06/24

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

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Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 10/09/24

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 27/8/2024

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-2796-1	Empira White (5151)	<LOR	<LOR
2024-2796-2	Osprey (3141)	<LOR	<LOR
2024-2796-3	Statuario Maximus (5031)	<LOR	<LOR

Comments: The samples were ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and '±' are followed by MU. The MU at LOR is 0.3%w/w.

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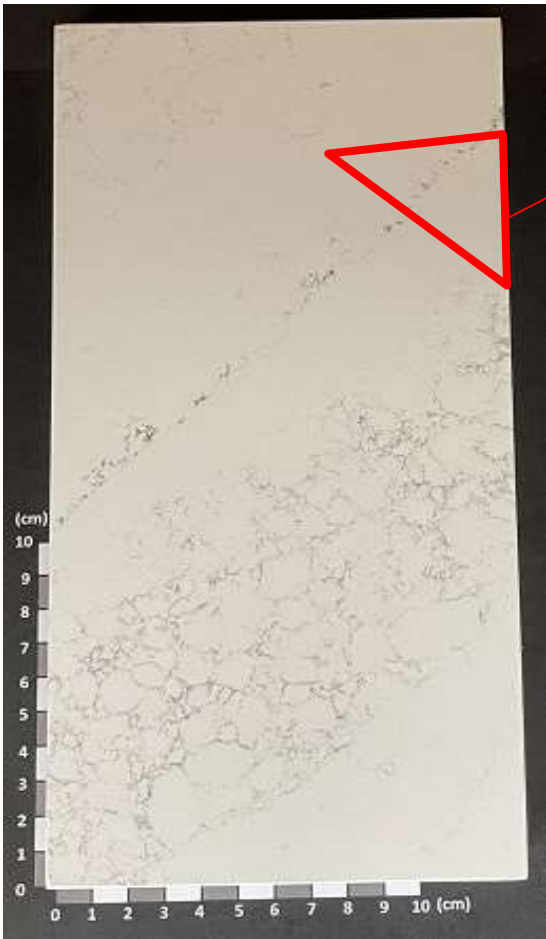
<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 27/8/2024

Reference number	2024-2796-1
Sample image  Approximate portion analysed	

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 27/8/2024

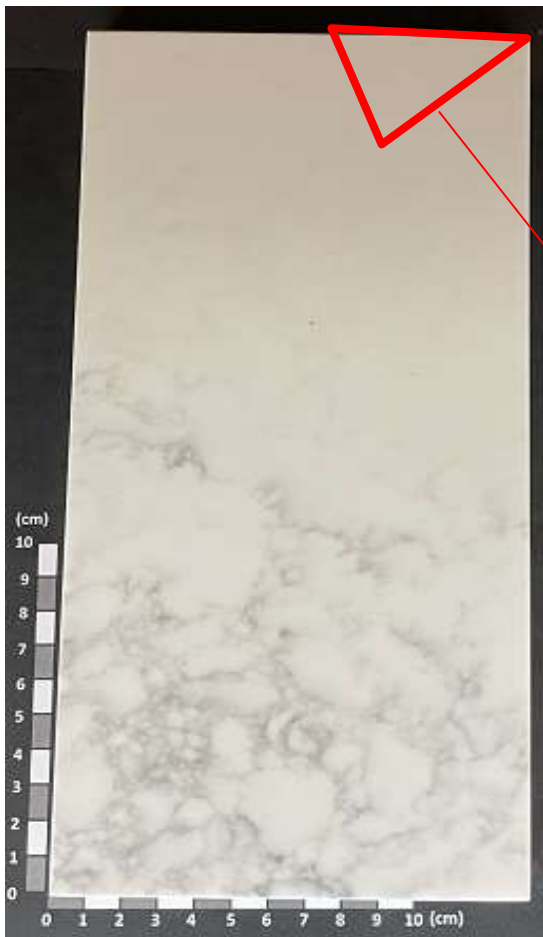
Reference number	2024-2796-2
Sample image  Approximate portion analysed	

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 27/8/2024

Reference number	2024-2796-3
Sample image 	

Lab. Reference: 2024-2798

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: CalcNuv(513);AteBlan(5112);WhtAtt(5143)

DATE OF INVESTIGATION: 19/06/2024

DATE RECEIVED: 21/06/24

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 17/09/24

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 11/9/2024

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-2798-1	Calacutta Nuvo (5131)	<LOR	<LOR
2024-2798-2	Aterra Blanca (5112)	<LOR	<LOR
2024-2798-3	White Attica (5143)	<LOR	<LOR

Comments: The samples were ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and '±' are followed by MU. The MU at LOR is 0.3%w/w.

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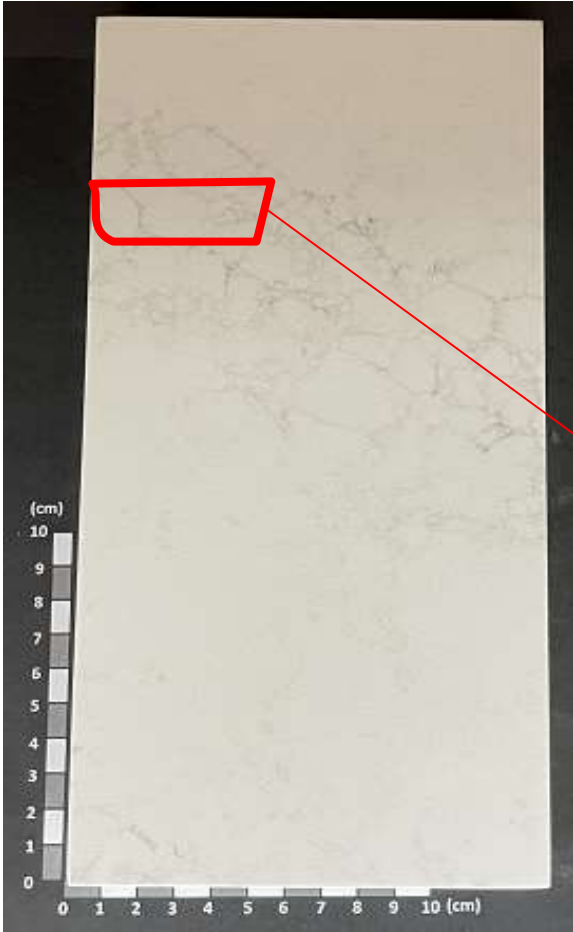
<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 11/9/2024

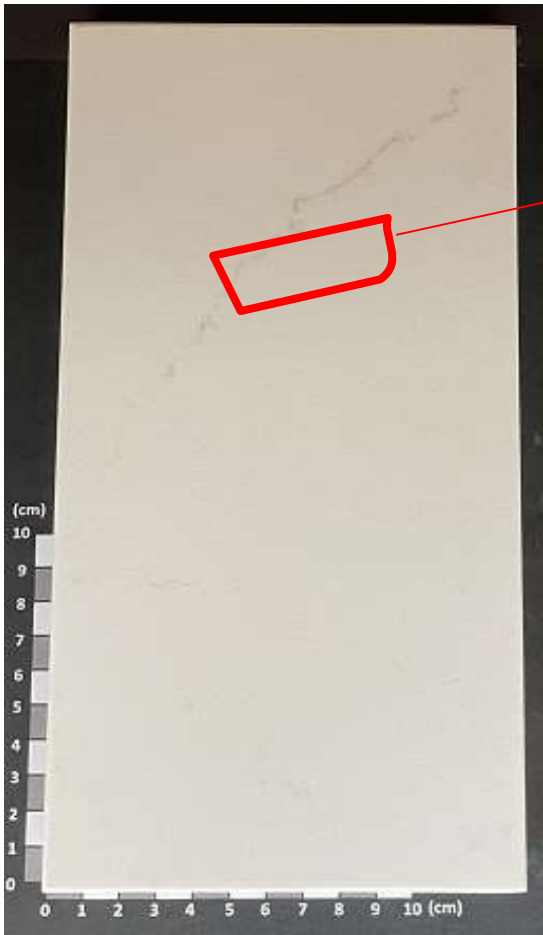
Reference number	2024-2798-1
Sample image  Approximate portion analysed	

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 11/9/2024

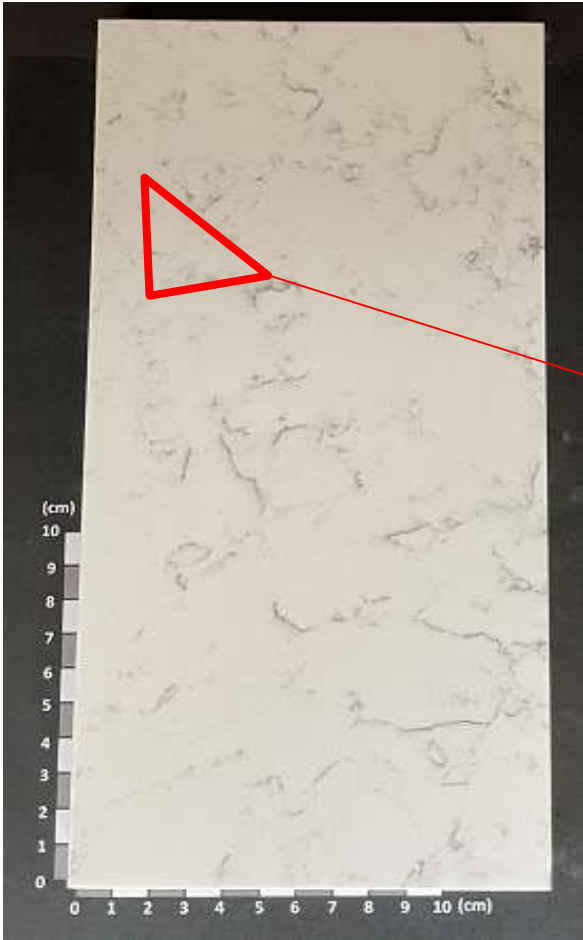
Reference number	2024-2798-2
Sample image  Approximate portion analysed	

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 11/9/2024

Reference number	2024-2798-3
Sample image  Approximate portion analysed	

Lab. Reference: 2024-4448

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: Bianco Drift(6131)

DATE OF INVESTIGATION: 11/09/2024

DATE RECEIVED: 16/09/24

ANALYSIS REQUIRED: Alpha Quartz / Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

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Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 7/02/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 29/1/2025

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-4448-1	Bianco Drift (6131)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

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Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 29/1/2025

Reference number	2024-4448-1
Sample image  The image shows a rectangular sample of a light-colored, textured material. A ruler is placed vertically on the left side, showing a scale from 0 to 10 cm. A red triangle is drawn on the bottom right corner of the sample, indicating the approximate portion analysed. The text 'Approximate portion analysed' is written in red next to the triangle.	

Lab. Reference: 2024-4449

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: Georgian Bluff (6134)

DATE OF INVESTIGATION: 11/09/2024

DATE RECEIVED: 16/09/24

ANALYSIS REQUIRED: Alpha Quartz / Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 7/02/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 29/1/2025

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-4449-1	Georgian Bluff (6134)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

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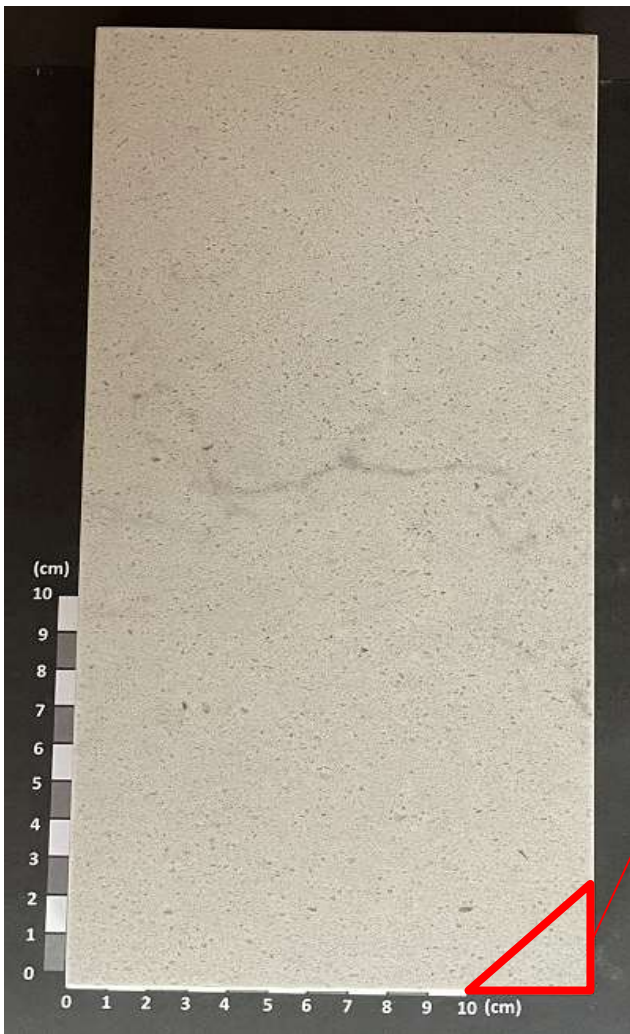
<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 29/1/2025

Reference number	2024-4449-1
Sample image  Approximate portion analysed	

Lab. Reference: 2024-4450

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: Vanilla Noir(5100)

DATE OF INVESTIGATION: 11/09/2024

DATE RECEIVED: 16/09/24

ANALYSIS REQUIRED: Alpha Quartz / Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 7/02/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 29/1/2025

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-4450-1	Vanilla Noir (5100)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

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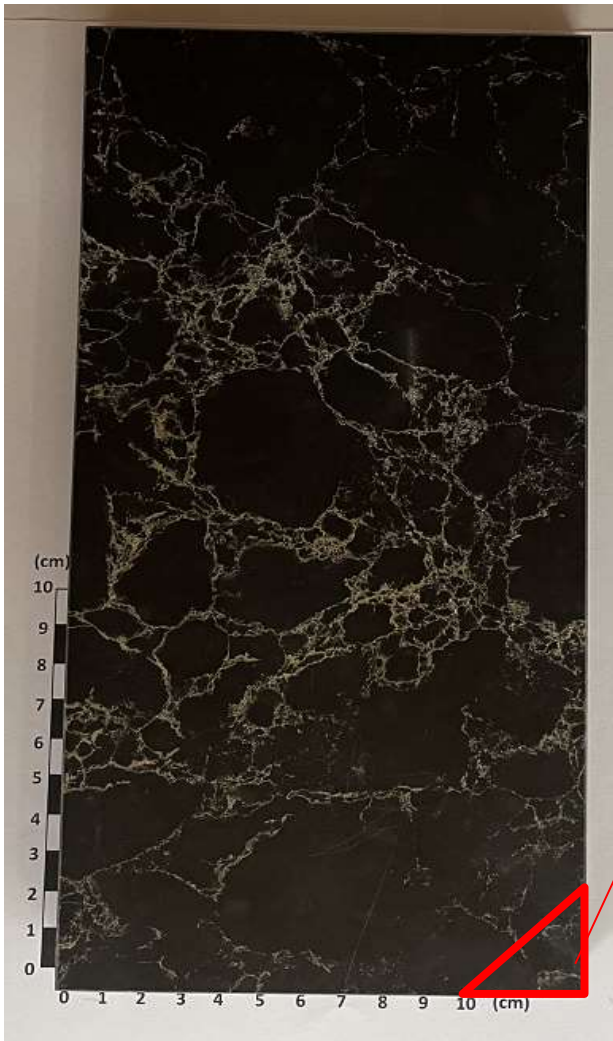
<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 29/1/2025

Reference number	2024-4450-1
Sample image  Approximate portion analysed	

Lab. Reference: 2024-4453

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: Oyster (4030)

DATE OF INVESTIGATION: 11/09/2024

DATE RECEIVED: 16/09/24

ANALYSIS REQUIRED: Alpha Quartz / Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 28/01/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 21/1/2025

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-4453-1	Oyster (4030)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

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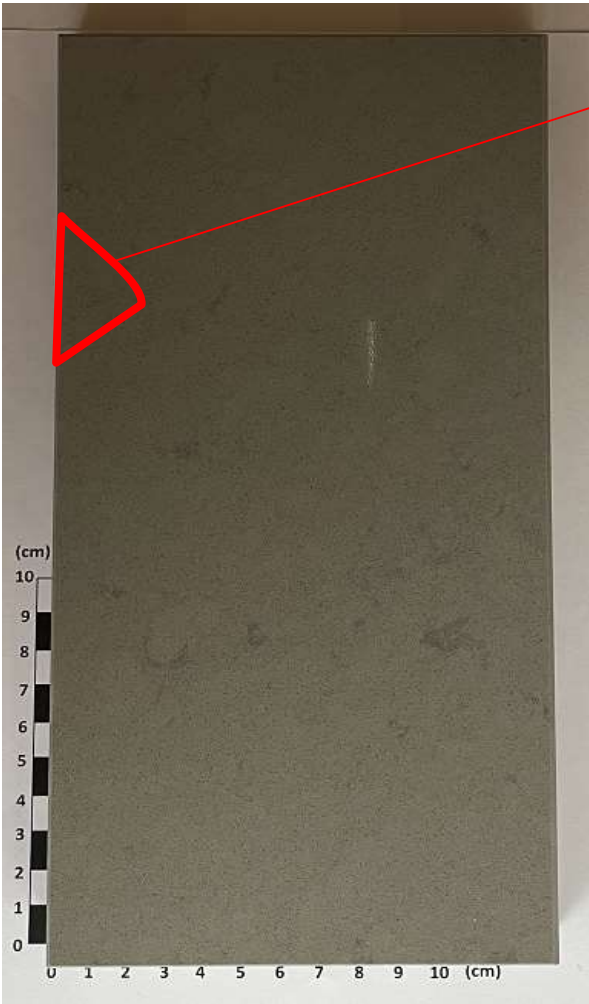
<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 21/1/2025

Reference number	2024-4453-1
Sample image	
 Approximate portion analysed	

Lab. Reference: 2024-4451

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: Arabetto (5171)

DATE OF INVESTIGATION: 11/09/2024

DATE RECEIVED: 16/09/24

ANALYSIS REQUIRED: Alpha Quartz / Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 28/01/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 21/1/2025

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-4451-1	Arabetto (5171)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

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<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 21/1/2025

Reference number	2024-4451-1
Sample image  Approximate portion analysed	

Lab. Reference: 2024-4452

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: Raven(4120)

DATE OF INVESTIGATION: 11/09/2024

DATE RECEIVED: 16/09/24

ANALYSIS REQUIRED: Alpha Quartz / Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 28/01/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 21/1/2025

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-4452-1	Raven (4120)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

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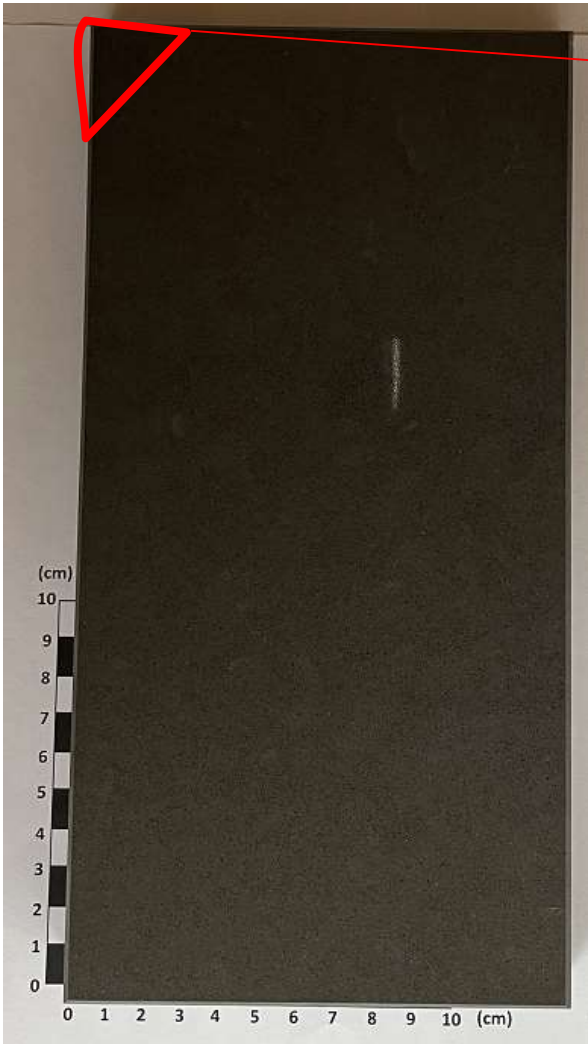
<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 21/1/2025

Reference number	2024-4452-1
Sample image  Approximate portion analysed	

Lab. Reference: 2024-5014

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: Cloud Concrete;Symphony Grey;Black Tempa

DATE OF INVESTIGATION: 11/09/2024

DATE RECEIVED: 17/10/24

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 26/03/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 18/3/2024

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-5014-1	Cloud Concrete (4011)	<LOR	<LOR
2024-5014-2	Symphony Grey (5133)	<LOR	<LOR
2024-5014-3	Black Tempal (5810)	<LOR	<LOR

Comments: The samples were ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and '±' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

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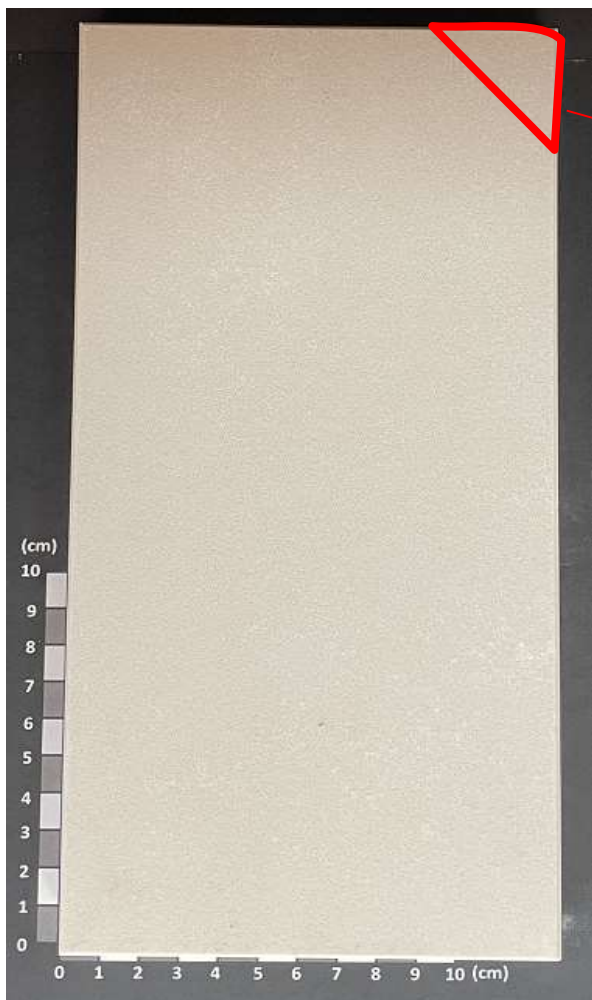
<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 18/3/2024

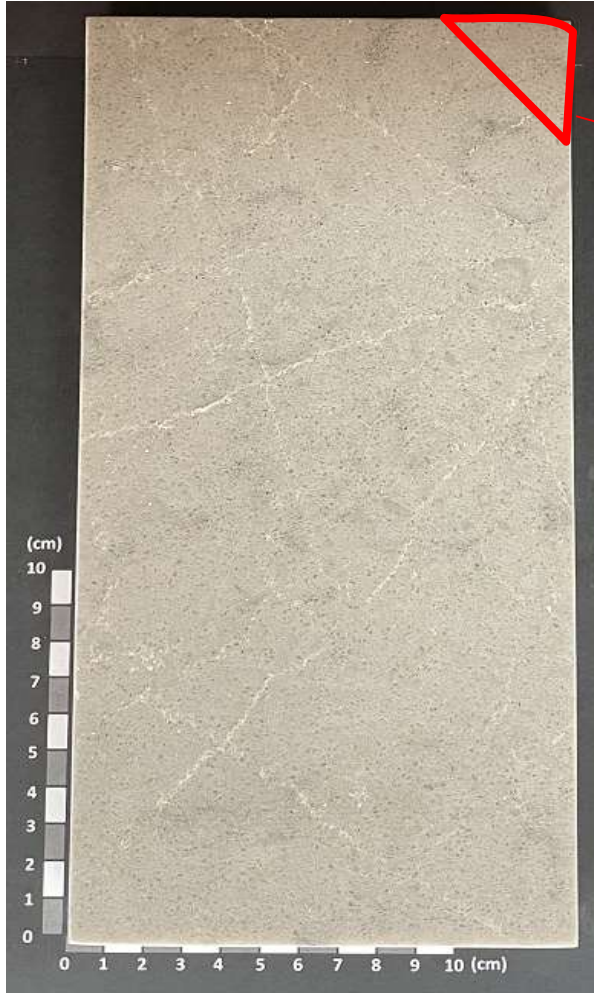
Reference number	2024-5014-1
Sample image  Approximate portion analysed	

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 18/3/2024

Reference number	2024-5014-2
Sample image	
 Approximate portion analysed	

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 18/3/2024

Reference number	2024-5014-3
Sample image  Approximate portion analysed	

Lab. Reference: 2025-0660-1

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: 5222 Adamina

DATE OF INVESTIGATION: 10/02/2025

DATE RECEIVED: 18/02/25

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 9/05/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 6/5/2025

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2025-0660-1	Adamina (5222)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

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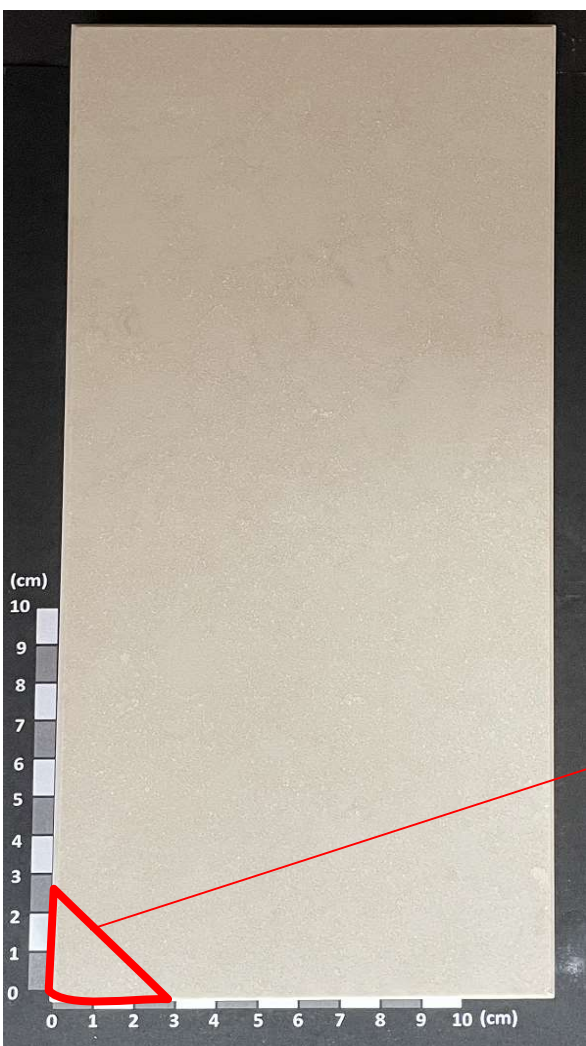
<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 6/5/2025

Reference number	2025-0660-1
Sample image  Approximate portion analysed	

Lab. Reference: 2025-0396-5

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: 5144 Rossa Nova

DATE OF INVESTIGATION: 29/01/2025

DATE RECEIVED: 4/02/25

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 9/05/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 6/5/2025

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2025-0396-5	Rossa Nova (5144)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

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Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 6/5/2025

Reference number	2025-0396-5
Sample image Approximate portion analysed  The image shows a square sample of a light-colored, textured material, likely a stone or composite. A red triangle is drawn on the top-left corner, indicating the approximate portion analysed. The triangle's vertices are approximately at (0, 10), (1.5, 10), and (1.5, 8) on a 10x10 cm scale. A small label with the reference number '2025-0396-5' is visible in the bottom right corner of the sample area.	

Lab. Reference: 2025-0396-3

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: 5132 Celestial Sky

DATE OF INVESTIGATION: 29/01/2025

DATE RECEIVED: 4/02/25

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 19/05/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 14/5/2025

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2025-0396-3	Celestial Sky (5132)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

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Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 14/5/2025

Reference number	2025-0396-3
Sample image  Approximate portion analysed (cm) 10 9 8 7 6 5 4 3 2 1 0 0 1 2 3 4 5 6 7 8 9 10 (cm) 2025-0396-3	

Lab. Reference: 2025-0396-2

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: 5441 Glacier Flow

DATE OF INVESTIGATION: 29/01/2025

DATE RECEIVED: 4/02/25

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 19/05/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 13/5/2025

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2025-0396-2	Glacier Flow (5441)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

This TestSafe Australia report (including any extract of the report) must not be used as a certification, approval, endorsement or a statement of safety of the material tested, or of any activity or proposed activity of the Customer or any third party. Results are reported from the Limit of Reporting (LOR) stated. A non-detect or <LOR result does not mean that the material is silica-free, as trace amounts may be present. This report only relates to the particular Testable Item that is provided to TestSafe. Further information can be found in the TestSafe – General Terms and Conditions, which apply to the performance of Services undertaken by TestSafe. The Terms and Conditions can be accessed via the TestSafe website and/or via this link:

<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 13/5/2025

Reference number	2025-0396-2
Sample image  Approximate portion analysed	

Lab. Reference: 2025-0396-1

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

SAMPLE ORIGIN: 5444 Lunar Frost

DATE OF INVESTIGATION: 29/01/2025

DATE RECEIVED: 4/02/25

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 9/05/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 6/5/2025

Reference number	Sample ID	α -Quartz (% w/w)	Cristobalite* (% w/w)
2025-0396-1	Lunar Frost (5444)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

This TestSafe Australia report (including any extract of the report) must not be used as a certification, approval, endorsement or a statement of safety of the material tested, or of any activity or proposed activity of the Customer or any third party. Results are reported from the Limit of Reporting (LOR) stated. A non-detect or <LOR result does not mean that the material is silica-free, as trace amounts may be present. This report only relates to the particular Testable Item that is provided to TestSafe. Further information can be found in the TestSafe – General Terms and Conditions, which apply to the performance of Services undertaken by TestSafe. The Terms and Conditions can be accessed via the TestSafe website and/or via this link:

<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 6/5/2025

Reference number	2025-0396-1
Sample image  Approximate portion analysed	



TEST REPORT NO.: 25 – 0358 E

Report Date: 24th June 2025
Client: Caesarstone Australia Pty Ltd
Address: Warehouse 3a East
Moorebank Logistics Park
3 Tiber Place, Moorebank NSW 2170
Attention: Kim Smith
By Email: Kim.Smith@caesarstone.com.au
Sample(s): 1 x Composite Stone
Lab Number(s): 25/A/2728

Project: Engineered Stone Classification

Notes:

This laboratory was not involved with, consulted, or requested to undertake sampling of the specimens provided, and testing of those test specimens has been conducted as received in the laboratory.

Accordingly, no responsibility is taken for the integrity, authenticity, appropriateness, or representativeness, of any of the test specimens provided and this must be taken into account when reviewing, comparing or checking the test results published in this report.

Unless otherwise notified, all samples will be disposed of in three months from reporting date.

Yours faithfully,

Sharp and Howells Pty. Ltd.

Pietro Barilla
BSc. (PhD), MRACI, C.Chem.
Senior Scientist

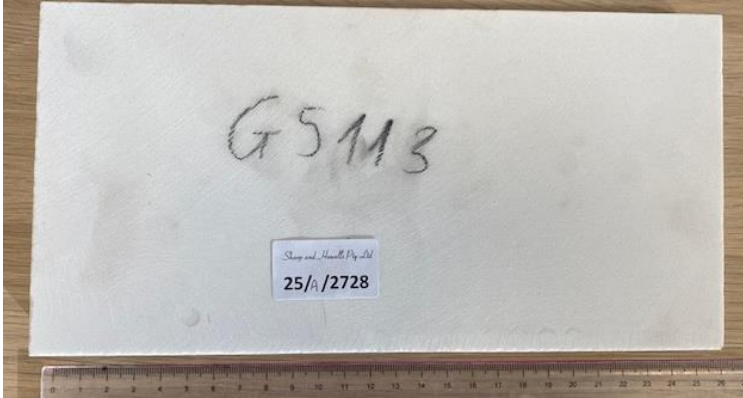
Sam Le
Dip. Lab Tech, MRACI
Scientist

1. INSTRUCTIONS:

Sharp and Howells were requested by Caesarstone Australia Pty Ltd to classify (1) Composite Stone (slab type) for Engineered Stone Classification testing as per the Victorian OHS 2017 Regulation.

The samples were provided with markings as shown below:

1.1 Sample Identification:

MARKINGS:	Solenna (Product Code 5113)
LAB NO:	25/A/2728
DESCRIPTION:	White stone
	

2. METHODOLOGY

The following analyses were performed:

Elemental Analysis was conducted by **X-Ray Fluorescence (XRF) Spectrometry** (fused bead) using a Thermo Scientific ARL OPTIM'X WDXRF Spectrometer. Fused Bead @ 950°C 12:22 Flux (Lithium Tetraborate: Lithium Metaborate).

Loss on Ignition was conducted by high temperature Ignition using a Phoenix Black Microwave Muffle furnace.

Resin Identification Analysis was conducted by **Fourier Transform Infrared Spectroscopy (FTIR)** using a Perkin Elmer Spectrum 2 FTIR with ATR Accessory.

Mineral Phase Analysis was conducted by **X-Ray Diffraction (XRD)** (Powered Diffraction) using a Bruker-AXS Phaser with copper radiation at 30 kv and 10 mA, over a range of 5 to 80 degrees 2 θ . A Ni Filter was used in the diffracted beam for elimination of K β radiation. Identification of phases present was carried out using Bruker Search/Match software and the ICDD PDF-2 database. The quantitative phase analysis was performed using SIROQUANT version 4 software. This was conducted by an external Laboratory. In cases where more than one "SiO₂" polymorph was quantified, the values were added together to achieve the "Total Crystalline Silica Content" as per **NIOSH EPHB Report No.375-12a Page 12**. ZnO was used for the internal standard method.

3. RESULTS OF ANALYSIS:

3.1 Total Crystalline Silica Content and Classification:

Sample Marked:		Solenna (Product Code 5113)
Lab Number:		25/A/2728
Total Silicon, as SiO₂, % w/w:	(XRF)	61.5
Loss On Ignition (925°C), % w/w:	(LOI)	13.5
Synthetic Resin Present:	(FTIR)	Yes
<i>See Appendix A:</i>		<i>Close match to Polyester/Phthalate Based Resin</i>
Identified Crystalline Silica Polymorphs (XRD)		
<i>See Appendix B:</i>		
Quartz, % w/w:		Not Detected
Cristobalite, % w/w:		Not Detected
Tridymite, % w/w:		Not Detected
Total “Crystalline Silica” in Sample, % w/w:		Not Detected
Classification of Product ^{*1}:		Non-Engineered

Notes:

- No other forms of Crystalline Silica were identified in the sample. (NIOSH 2002).
- XRD values are rounded to the nearest whole number
- XRF used as quality control for phase selection.
- XRD Detection Limit of 1 % w/w
- XRF Measurement Uncertainty 1.4 %

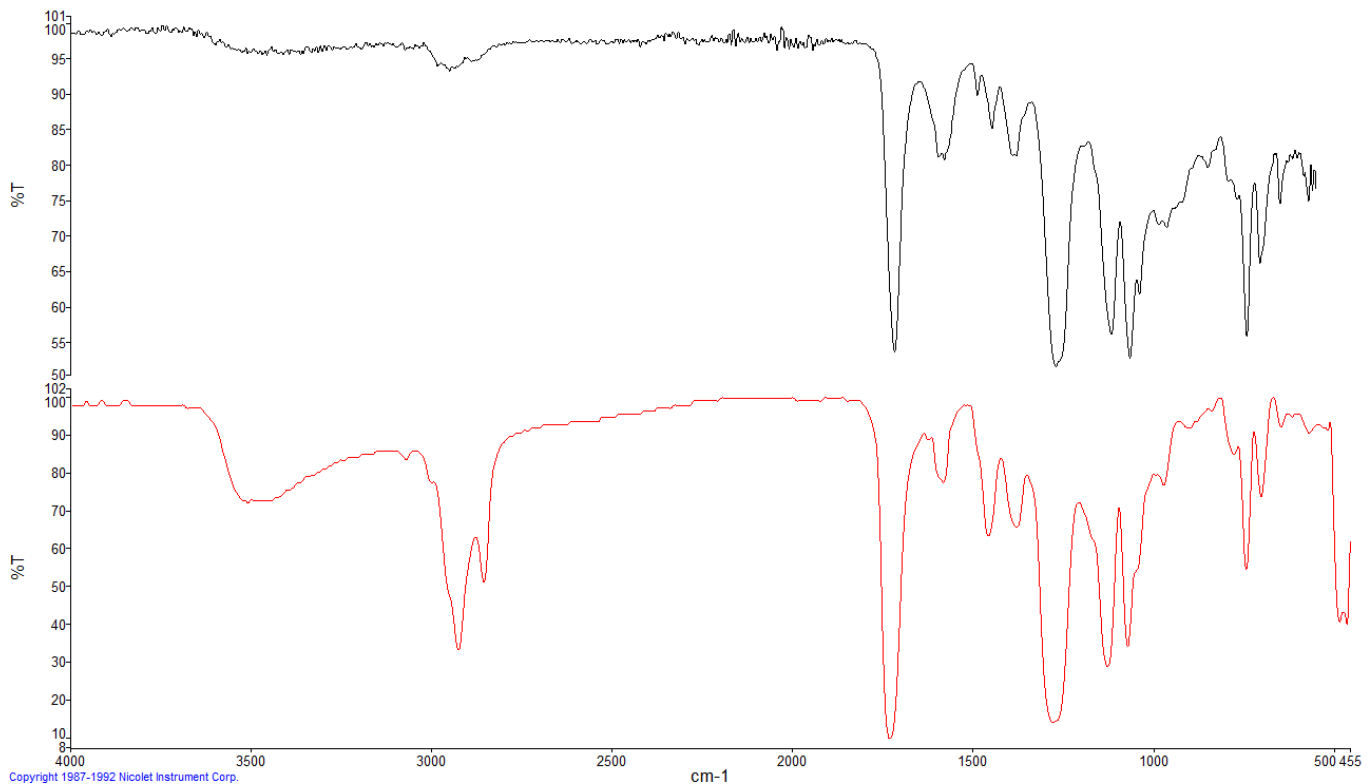
^{*1} As per the engineered stone definition in the Victorian Occupational Health and Safety (OHS) Regulations 2017.

3. CONCLUSION

This composite stone is classified as **Non-Engineered Stone** and therefore not classified as an “Engineered Stone” as per the Victorian Occupational Health and Safety (OHS) Regulations 2017.

APPENDIX A – FTIR SPECTRA:

DCM Extractable Material (Resin):



Spectrum 1:

Black - Solenna (Product Code 5113)

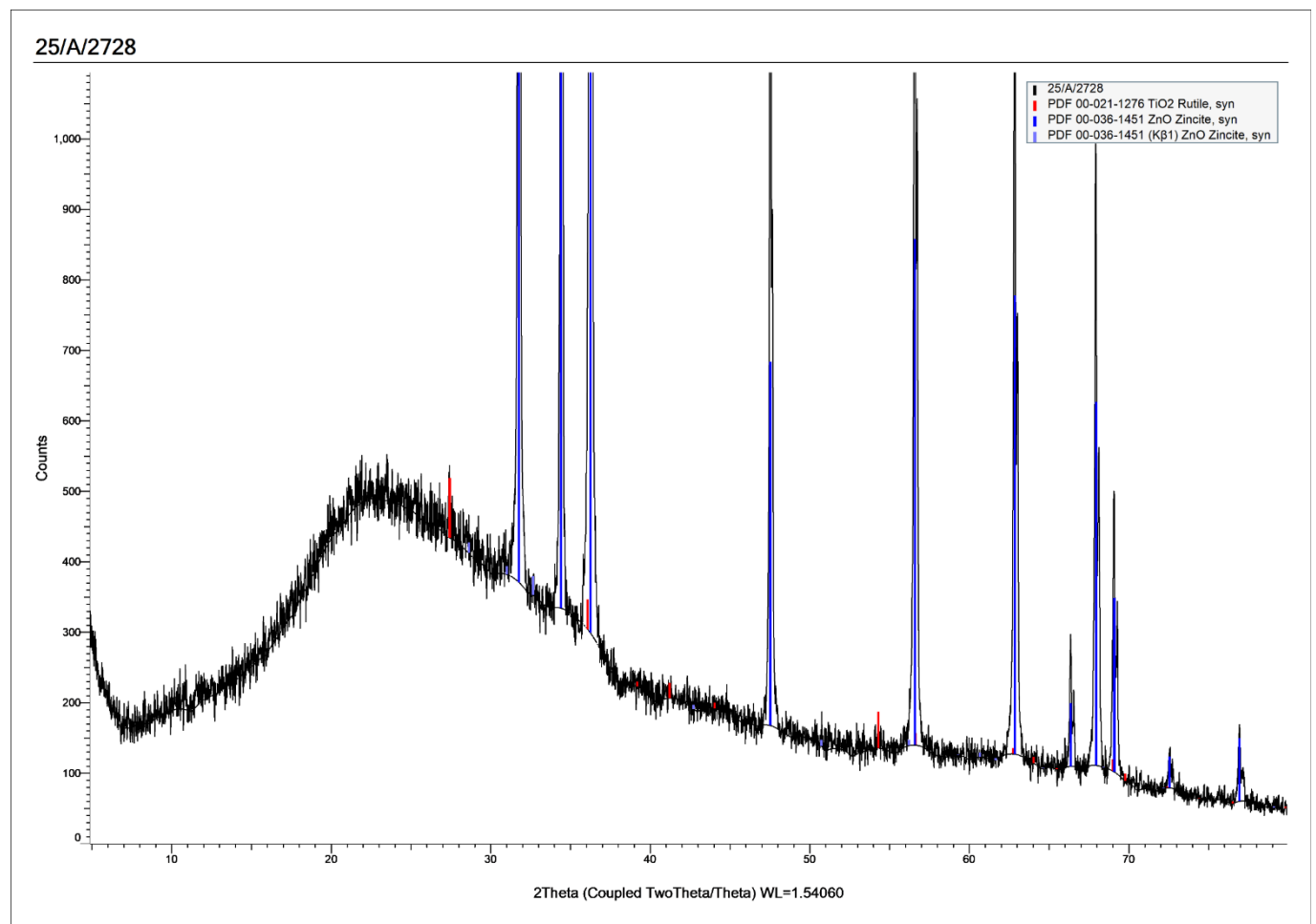
25/A/2728

Red - Polyester/Phthalate Resin

(Reference)

APPENDIX B – XRD SPECTRA:

Solenna (Product Code 5113)



Lab. Reference: 2025-0774

CAESARSTONE Australia
400 Morrebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

Samples analysed as received

DATE OF INVESTIGATION: 24/02/2025

DATE RECEIVED: 26/02/25

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 19/06/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 16/6/2025

Reference number	Sample ID / Sample Supplier Origin	α -Quartz (% w/w)	Cristobalite* (% w/w)
2025-0774-1	Brillianza (5310)	<LOR	<LOR

Comments: The sample was ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and ' $\pm$ ' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

This TestSafe Australia report (including any extract of the report) must not be used as a certification, approval, endorsement or a statement of safety of the material tested, or of any activity or proposed activity of the Customer or any third party. Results are reported from the Limit of Reporting (LOR) stated. A non-detect or <LOR result does not mean that the material is silica-free, as trace amounts may be present. This report only relates to the particular Testable Item that is provided to TestSafe. Further information can be found in the TestSafe – General Terms and Conditions, which apply to the performance of Services undertaken by TestSafe. The Terms and Conditions can be accessed via the TestSafe website and/or via this link:

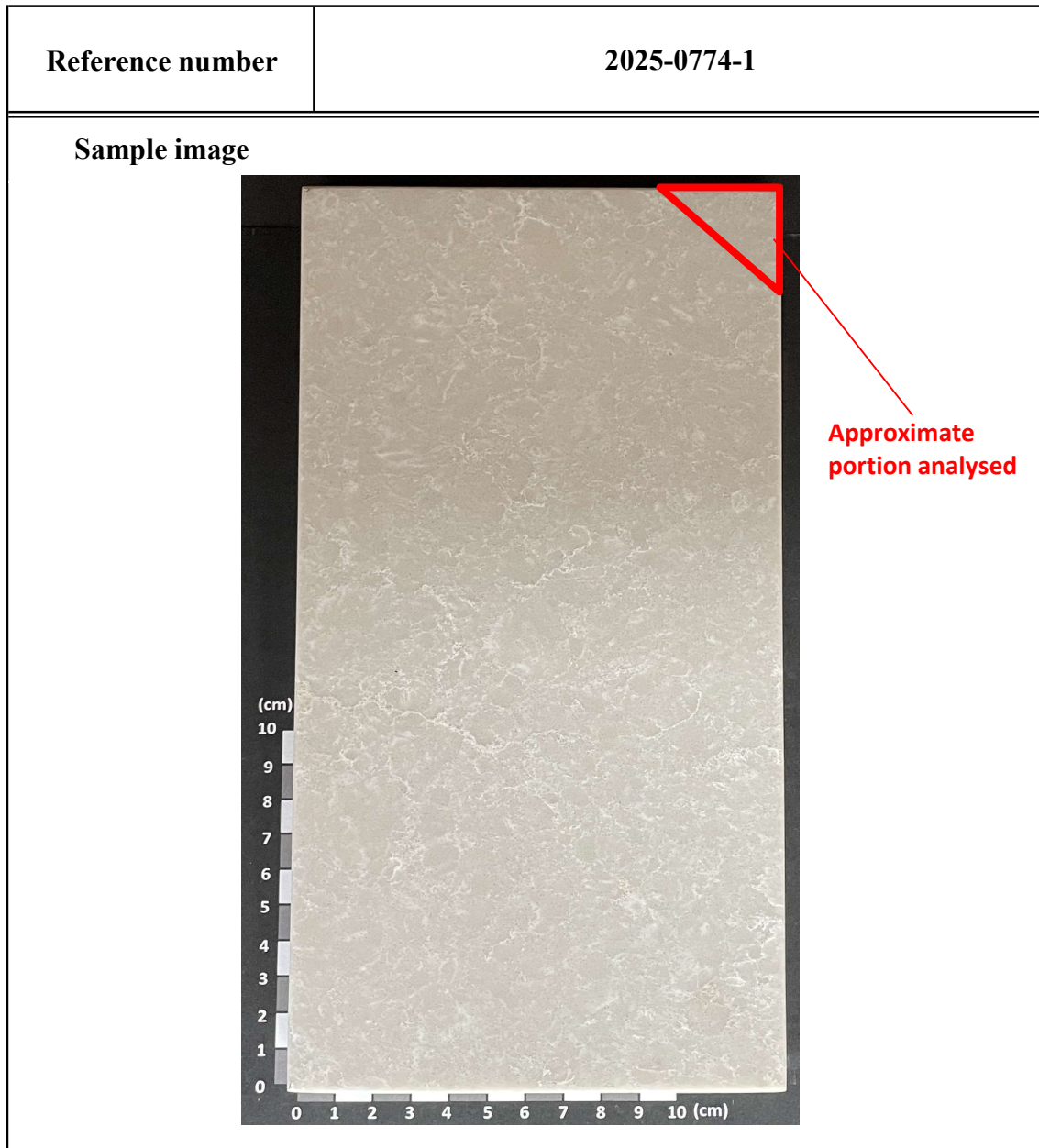
<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 16/6/2025



Lab. Reference: 2024-5311

CAESARSTONE Australia
400 Moorebank Ave
Moorebank Business Park
MOOREBANK NSW 2170

DATE OF INVESTIGATION: 01/11/2024

DATE RECEIVED: 1/11/24

ANALYSIS REQUIRED: Alpha Quartz/Cristobalite

AMENDED REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.

This amended report replaces the report previously sent dated 01/04/25

The origin of supplier sample details have been added as per instructions of the customer



Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 29/05/25

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 19/3/2025

Amended

Reference number	Sample ID / Sample Supplier Origin	α -Quartz (% w/w)	Cristobalite* (% w/w)
2024-5311-1	Rugged Concrete (4033)	<LOR	<LOR
2024-5311-2	Airy Concrete (4044)	<LOR	<LOR

Comments: The samples were ground and analysed.

Method Description : Direct Determination of Crystalline silica in Bulk Samples by X-ray diffractometry. External standard method with infinite thickness. The method was validated by TestSafe and accredited by NATA (ISO 17025).

Method No. : WCA.115

*Cristobalite is currently outside of NATA scope.

LOR for α -Quartz and Cristobalite: 0.5% w/w.

w/w = weight per weight (e.g. 1% quartz w/w would mean that in 100g of bulk, 1g would be quartz).

Measurement Uncertainty (MU):

The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data.

The measured result and '±' are followed by MU. The MU at LOR is 0.3%w/w.

IMPORTANT INFORMATION

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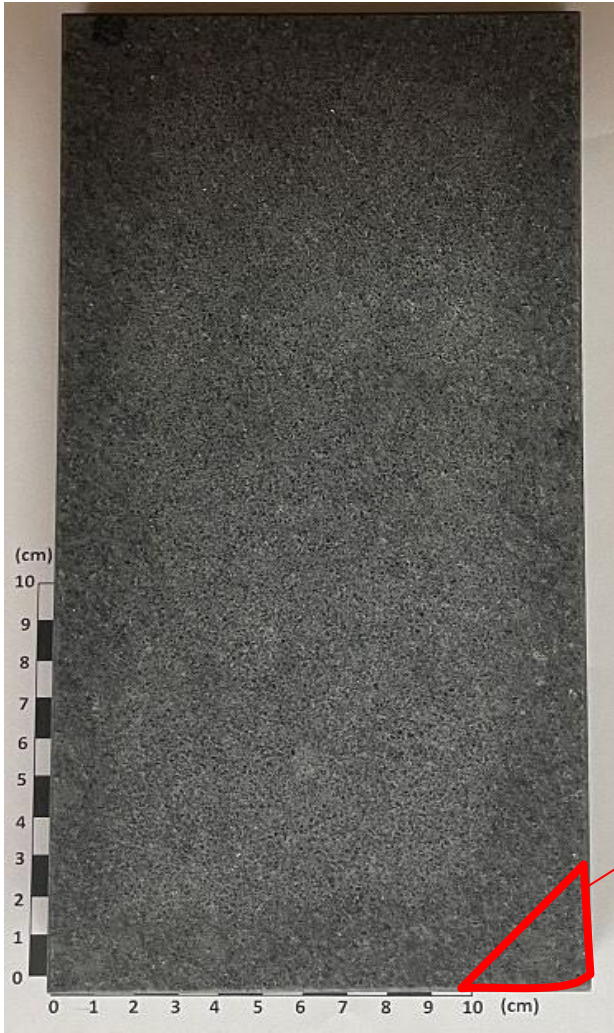
<https://www.nsw.gov.au/business-and-economy/testsafe/terms>

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 19/3/2025

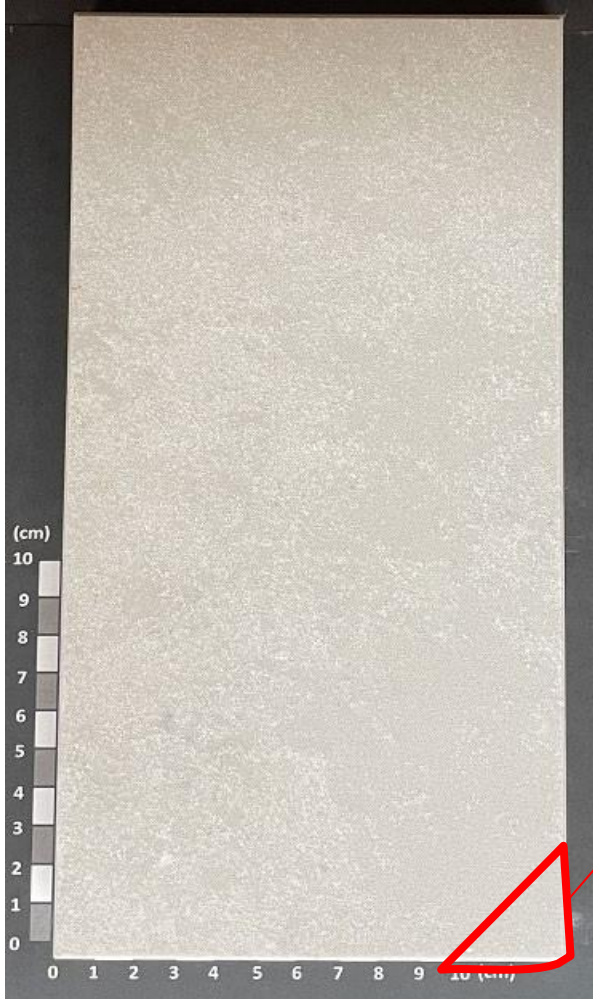
Reference number	2024-5311-1
Sample image  (cm) 10 9 8 7 6 5 4 3 2 1 0 0 1 2 3 4 5 6 7 8 9 10 (cm) Approximate portion analysed	

Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia

Date of Analysis: 19/3/2025

Reference number	2024-5311-2
Sample image  Approximate portion analysed	



TEST REPORT NO.: 25 – 0358 F

Report Date: 8th July 2025

Client: Caesarstone Australia Pty Ltd

Address: Warehouse 3a East
Moorebank Logistics Park
3 Tiber Place, Moorebank NSW 2170

Attention: Kim Smith

By Email: Kim.Smith@caesarstone.com.au

Sample(s): 1 x Composite Stone

Lab Number(s): 25/A/2706

Project: Engineered Stone Classification

Notes:

This laboratory was not involved with, consulted, or requested to undertake sampling of the specimens provided, and testing of those test specimens has been conducted as received in the laboratory.

Accordingly, no responsibility is taken for the integrity, authenticity, appropriateness, or representativeness, of any of the test specimens provided and this must be taken into account when reviewing, comparing or checking the test results published in this report.

Unless otherwise notified, all samples will be disposed of in three months from reporting date.

Yours faithfully,

Sharp and Howells Pty. Ltd.

Pietro Barilla
BSc. (PhD), MRACI, C.Chem.
Senior Scientist

Sam Le
Dip. Lab Tech, MRACI
Scientist

1. INSTRUCTIONS:

Sharp and Howells were requested by Caesarstone Australia Pty Ltd to classify (1) Composite Stone (slab type) for Engineered Stone Classification testing as per the Victorian OHS 2017 Regulation.

The samples were provided with markings as shown below:

1.1 Sample Identification:

MARKINGS:	Dreamy Carrara (Product Code 5140)
LAB NO:	25/A/2706
DESCRIPTION:	White stone with marbling
	

2. METHODOLOGY

The following analyses were performed:

Elemental Analysis was conducted by **X-Ray Fluorescence (XRF) Spectrometry** (fused bead) using a Thermo Scientific ARL OPTIM'X WDXRF Spectrometer. Fused Bead @ 950°C 12:22 Flux (Lithium Tetraborate: Lithium Metaborate).

Loss on Ignition was conducted by high temperature Ignition using a Phoenix Black Microwave Muffle furnace.

Resin Identification Analysis was conducted by **Fourier Transform Infrared Spectroscopy (FTIR)** using a Perkin Elmer Spectrum 2 FTIR with ATR Accessory.

Mineral Phase Analysis was conducted by **X-Ray Diffraction (XRD)** (Powered Diffraction) using a Bruker-AXS Phaser with copper radiation at 30 kv and 10 mA, over a range of 5 to 80 degrees 2θ. A Ni Filter was used in the diffracted beam for elimination of Kβ radiation. Identification of phases present was carried out using Bruker Search/Match software and the ICDD PDF-2 database. The quantitative phase analysis was performed using SIROQUANT version 4 software. This was conducted by an external Laboratory. In cases where more than one "SiO₂" polymorph was quantified, the values were added together to achieve the "Total Crystalline Silica Content" as per **NIOSH EPHB Report No.375-12a Page 12**. ZnO was used for the internal standard method.

3. RESULTS OF ANALYSIS:

3.1 Total Crystalline Silica Content and Classification:

Sample Marked:	Dreamy Carrara (Product Code 5140)
Lab Number:	25/A/2706
Total Silicon, as SiO₂, % w/w: (XRF)	62.0
Loss On Ignition (925°C), % w/w: (LOI)	13.2
Synthetic Resin Present: (FTIR) <i>See Appendix A:</i>	Yes <i>Close match to Polyester/Phthalate Based Resin</i>
Identified Crystalline Silica Polymorphs (XRD) <i>See Appendix B:</i>	
Quartz, % w/w:	Not Detected
Cristobalite, % w/w:	Not Detected
Tridymite, % w/w:	Not Detected
Total "Crystalline Silica" in Sample, % w/w:	Not Detected
Classification of Product ^{*1}:	Non-Engineered

Notes:

- No other forms of Crystalline Silica were identified in the sample. (NIOSH 2002).
- XRD values are rounded to the nearest whole number
- XRF used as quality control for phase selection.
- XRD Detection Limit of 1 % w/w
- XRF Measurement Uncertainty 1.4 %

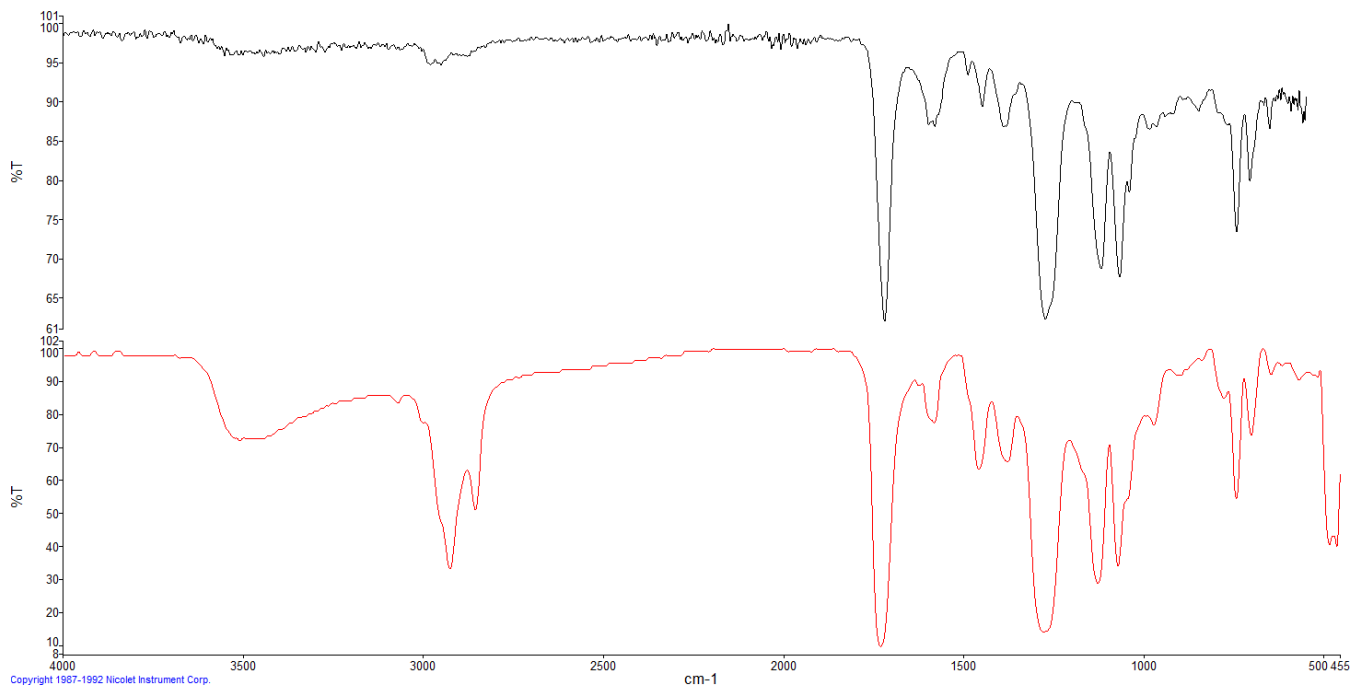
*1 As per the engineered stone definition in the Victorian Occupational Health and Safety (OHS) Regulations 2017.

3. CONCLUSION

This composite stone is classified as **Non-Engineered Stone** and therefore not classified as an "Engineered Stone" as per the Victorian Occupational Health and Safety (OHS) Regulations 2017.

APPENDIX A – FTIR SPECTRA:

DCM Extractable Material (Resin):



Spectrum 1:

Black - **Dreamy Carrara (Product Code 5140)**

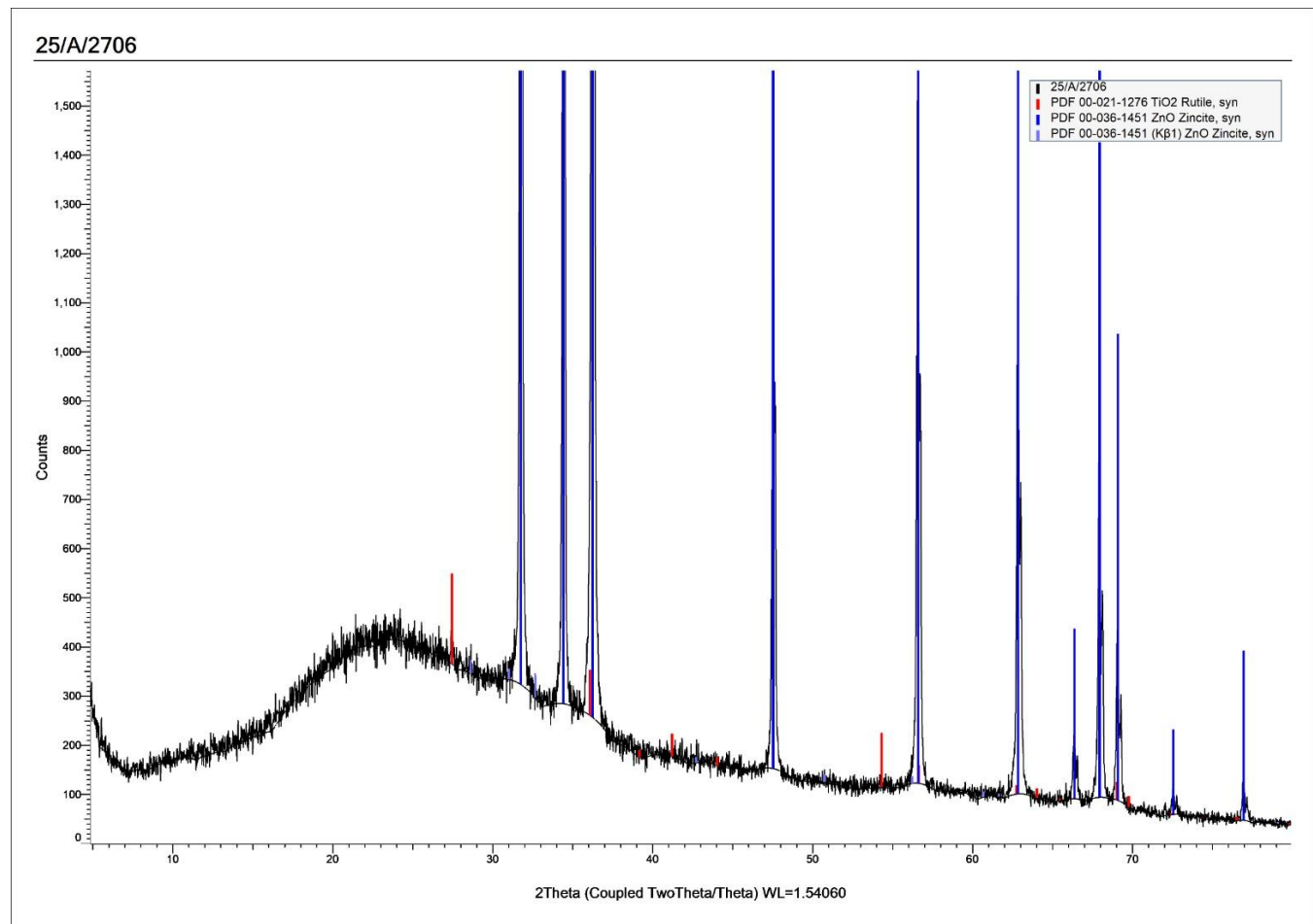
25/A/2706

Red – **Polyester/Phthalate Resin**

(Reference)

APPENDIX B – XRD SPECTRA:

Dreamy Carrara (Product Code 5140)





TEST REPORT NO.: 25 – 0358 G

Report Date: 8th July 2025
Client: Caesarstone Australia Pty Ltd
Address: Warehouse 3a East
Moorebank Logistics Park
3 Tiber Place, Moorebank NSW 2170
Attention: Kim Smith
By Email: Kim.Smith@caesarstone.com.au
Sample(s): 1 x Composite Stone
Lab Number(s): 25/A/2707
Project: Engineered Stone Classification

Notes:

This laboratory was not involved with, consulted, or requested to undertake sampling of the specimens provided, and testing of those test specimens has been conducted as received in the laboratory.

Accordingly, no responsibility is taken for the integrity, authenticity, appropriateness, or representativeness, of any of the test specimens provided and this must be taken into account when reviewing, comparing or checking the test results published in this report.

Unless otherwise notified, all samples will be disposed of in three months from reporting date.

Yours faithfully,

Sharp and Howells Pty. Ltd.

Pietro Barilla
BSc. (PhD), MRACI, C.Chem.
Senior Scientist

Sam Le
Dip. Lab Tech, MRACI
Scientist

1. INSTRUCTIONS:

Sharp and Howells were requested by Caesarstone Australia Pty Ltd to classify (1) Composite Stone (slab type) for Engineered Stone Classification testing as per the Victorian OHS 2017 Regulation.

The samples were provided with markings as shown below:

1.1 Sample Identification:

MARKINGS:	Turbine Grey (Product Code 6313)
LAB NO:	25/A/2707
DESCRIPTION:	Grey stone with black specs
	

2. METHODOLOGY

The following analyses were performed:

Elemental Analysis was conducted by **X-Ray Fluorescence (XRF) Spectrometry** (fused bead) using a Thermo Scientific ARL OPTIM'X WDXRF Spectrometer. Fused Bead @ 950°C 12:22 Flux (Lithium Tetraborate: Lithium Metaborate).

Loss on Ignition was conducted by high temperature Ignition using a Phoenix Black Microwave Muffle furnace.

Resin Identification Analysis was conducted by **Fourier Transform Infrared Spectroscopy (FTIR)** using a Perkin Elmer Spectrum 2 FTIR with ATR Accessory.

Mineral Phase Analysis was conducted by **X-Ray Diffraction (XRD)** (Powered Diffraction) using a Bruker-AXS Phaser with copper radiation at 30 kv and 10 mA, over a range of 5 to 80 degrees 2 θ . A Ni Filter was used in the diffracted beam for elimination of K β radiation. Identification of phases present was carried out using Bruker Search/Match software and the ICDD PDF-2 database. The quantitative phase analysis was performed using SIROQUANT version 4 software. This was conducted by an external Laboratory. In cases where more than one "SiO₂" polymorph was quantified, the values were added together to achieve the "Total Crystalline Silica Content" as per **NIOSH EPHB Report No.375-12a Page 12. ZnO** was used for the internal standard method.

3. RESULTS OF ANALYSIS:

3.1 Total Crystalline Silica Content and Classification:

Sample Marked:	Turbine Grey (Product Code 6313)
Lab Number:	25/A/2707
Total Silicon, as SiO ₂ , % w/w: (XRF)	63.1
Loss On Ignition (925°C), % w/w: (LOI)	11.2
Synthetic Resin Present: (FTIR) See Appendix A:	Yes Close match to Polyester/Phthalate Based Resin
Identified Crystalline Silica Polymorphs (XRD) See Appendix B:	
Quartz, % w/w:	Not Detected
Cristobalite, % w/w:	Not Detected
Tridymite, % w/w:	Not Detected
Total "Crystalline Silica" in Sample, % w/w:	Not Detected
Classification of Product ^{*1} :	Non-Engineered

Notes:

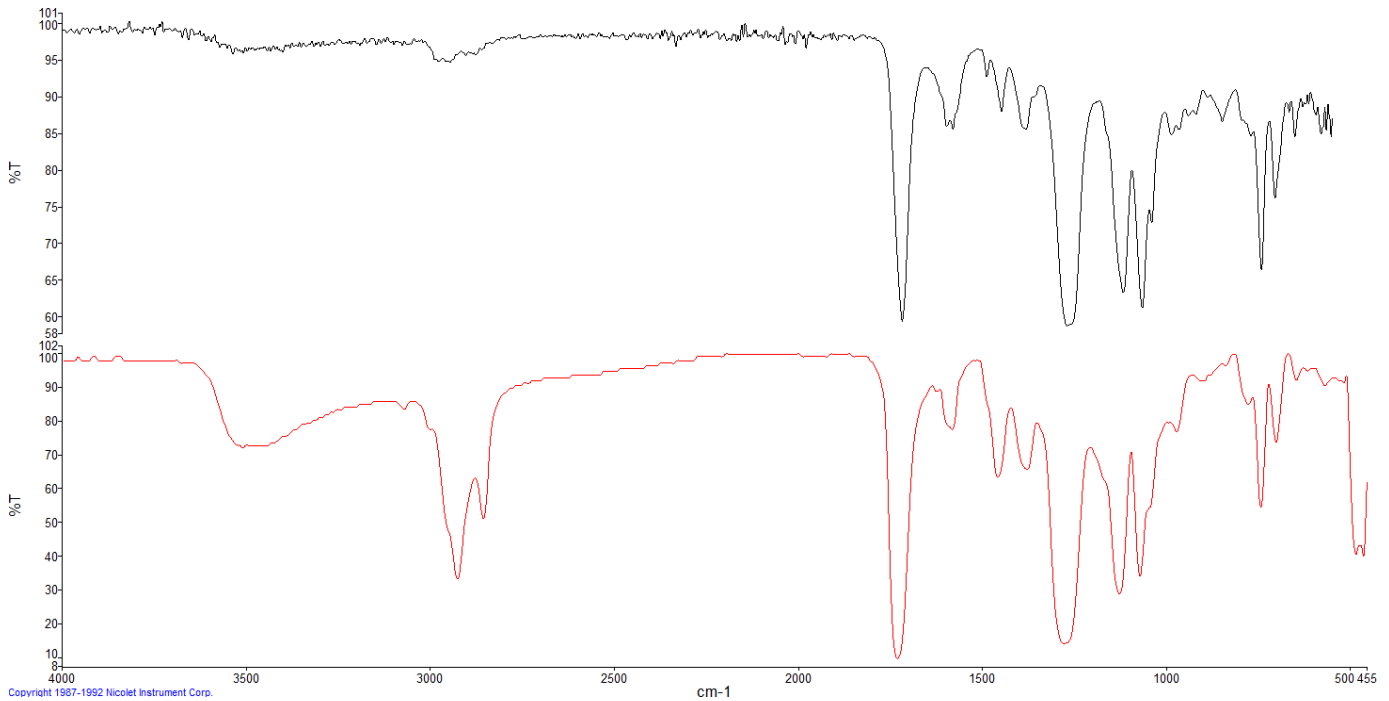
- No other forms of Crystalline Silica were identified in the sample. (NIOSH 2002).
- XRD values are rounded to the nearest whole number
- XRF used as quality control for phase selection.
- XRD Detection Limit of 1 % w/w
- XRF Measurement Uncertainty 1.4 %

*1 As per the engineered stone definition in the Victorian Occupational Health and Safety (OHS) Regulations 2017.

3. CONCLUSION

This composite stone is classified as **Non-Engineered Stone** and therefore not classified as an "Engineered Stone" as per the Victorian Occupational Health and Safety (OHS) Regulations 2017.

APPENDIX A – FTIR SPECTRA:



Spectrum 1:

Black - Turbine Grey (Product Code 6313)

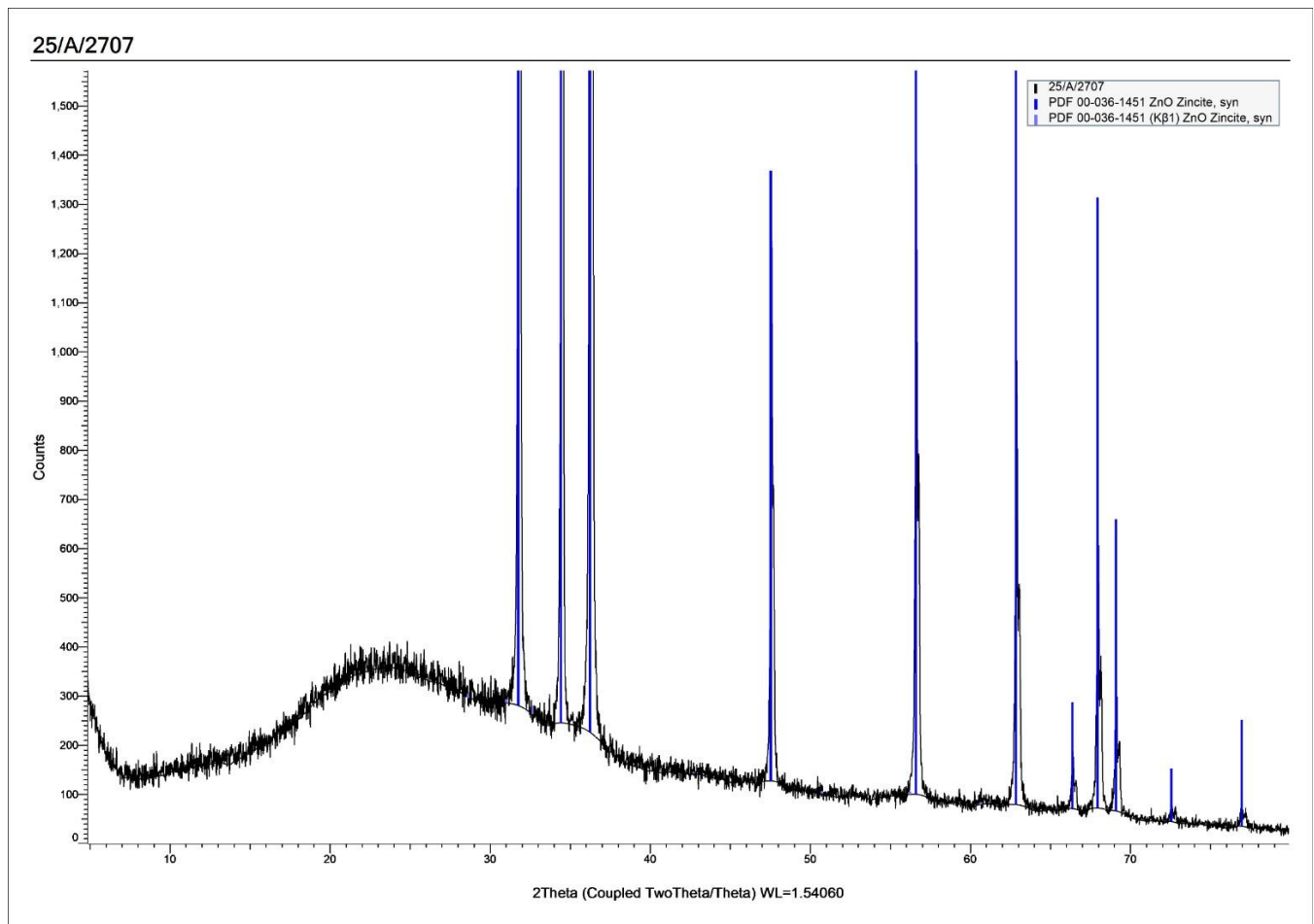
25/A/2707

Red - Polyester/Phthalate Resin

(Reference)

APPENDIX B – XRD SPECTRA:

Turbine Grey (Product Code 6313)





TEST REPORT NO.: 25 – 0358 B

Report Date: 20th June 2025
Client: Caesarstone Australia Pty Ltd
Address: Warehouse 3a East
Moorebank Logistics Park
3 Tiber Place, Moorebank NSW 2170
Attention: Kim Smith
By Email: Kim.Smith@caesarstone.com.au
Sample(s): 1 x Composite Stone
Lab Number(s): 25/A/2698
Project: Engineered Stone Classification

Notes:

This laboratory was not involved with, consulted, or requested to undertake sampling of the specimens provided, and testing of those test specimens has been conducted as received in the laboratory.

Accordingly, no responsibility is taken for the integrity, authenticity, appropriateness, or representativeness, of any of the test specimens provided and this must be taken into account when reviewing, comparing or checking the test results published in this report.

Unless otherwise notified, all samples will be disposed of in three months from reporting date.

Yours faithfully,

Sharp and Howells Pty. Ltd.

Pietro Barilla
BSc. (PhD), MRACI, C.Chem.
Senior Scientist

Sam Le
Dip. Lab Tech, MRACI
Scientist

1. INSTRUCTIONS:

Sharp and Howells were requested by Caesarstone Australia Pty Ltd to classify (1) Composite Stone (slab type) for Engineered Stone Classification testing as per the Victorian OHS 2017 Regulation.

The samples were provided with markings as shown below:

1.1 Sample Identification:

MARKINGS:	Lightcrest (Product Code 5103)
LAB NO:	25/A/2698
DESCRIPTION:	White Stone with grey veins
	

2. METHODOLOGY

The following analyses were performed:

Elemental Analysis was conducted by **X-Ray Fluorescence (XRF) Spectrometry** (fused bead) using a Thermo Scientific ARL OPTIM'X WDXRF Spectrometer. Fused Bead @ 950°C 12:22 Flux (Lithium Tetraborate: Lithium Metaborate).

Loss on Ignition was conducted by high temperature Ignition using a Phoenix Black Microwave Muffle furnace.

Resin Identification Analysis was conducted by **Fourier Transform Infrared Spectroscopy (FTIR)** using a Perkin Elmer Spectrum 2 FTIR with ATR Accessory.

Mineral Phase Analysis was conducted by **X-Ray Diffraction (XRD)** (Powered Diffraction) using a Bruker-AXS Phaser with copper radiation at 30 kv and 10 mA, over a range of 5 to 80 degrees 2θ. A Ni Filter was used in the diffracted beam for elimination of Kβ radiation. Identification of phases present was carried out using Bruker Search/Match software and the ICDD PDF-2 database. The quantitative phase analysis was performed using SIROQUANT version 4 software. This was conducted by an external Laboratory. In cases where more than one "SiO₂" polymorph was quantified, the values were added together to achieve the "Total Crystalline Silica Content" as per **NIOSH EPHB Report No.375-12a Page 12**. ZnO was used for the internal standard method.

3. RESULTS OF ANALYSIS:

3.1 Total Crystalline Silica Content and Classification:

Sample Marked:	Lightcrest (Product Code 5103)
Lab Number:	25/A/2698
Total Silicon, as SiO₂, % w/w: (XRF)	62.9
Loss On Ignition (925°C), % w/w: (LOI)	11.7
Synthetic Resin Present: (FTIR) <i>See Appendix A:</i>	Yes <i>Close match to Polyester/Phthalate Based Resin</i>
Identified Crystalline Silica Polymorphs (XRD) <i>See Appendix B:</i>	
Quartz, % w/w:	Not Detected
Cristobalite, % w/w:	Not Detected
Tridymite, % w/w:	Not Detected
Total "Crystalline Silica" in Sample, % w/w:	Not Detected
Classification of Product ^{*1}:	Non-Engineered

Notes:

- No other forms of Crystalline Silica were identified in the sample. (NIOSH 2002).
- XRD values are rounded to the nearest whole number
- XRF used as quality control for phase selection.
- XRD Detection Limit of 1 % w/w
- XRF Measurement Uncertainty 1.4 %

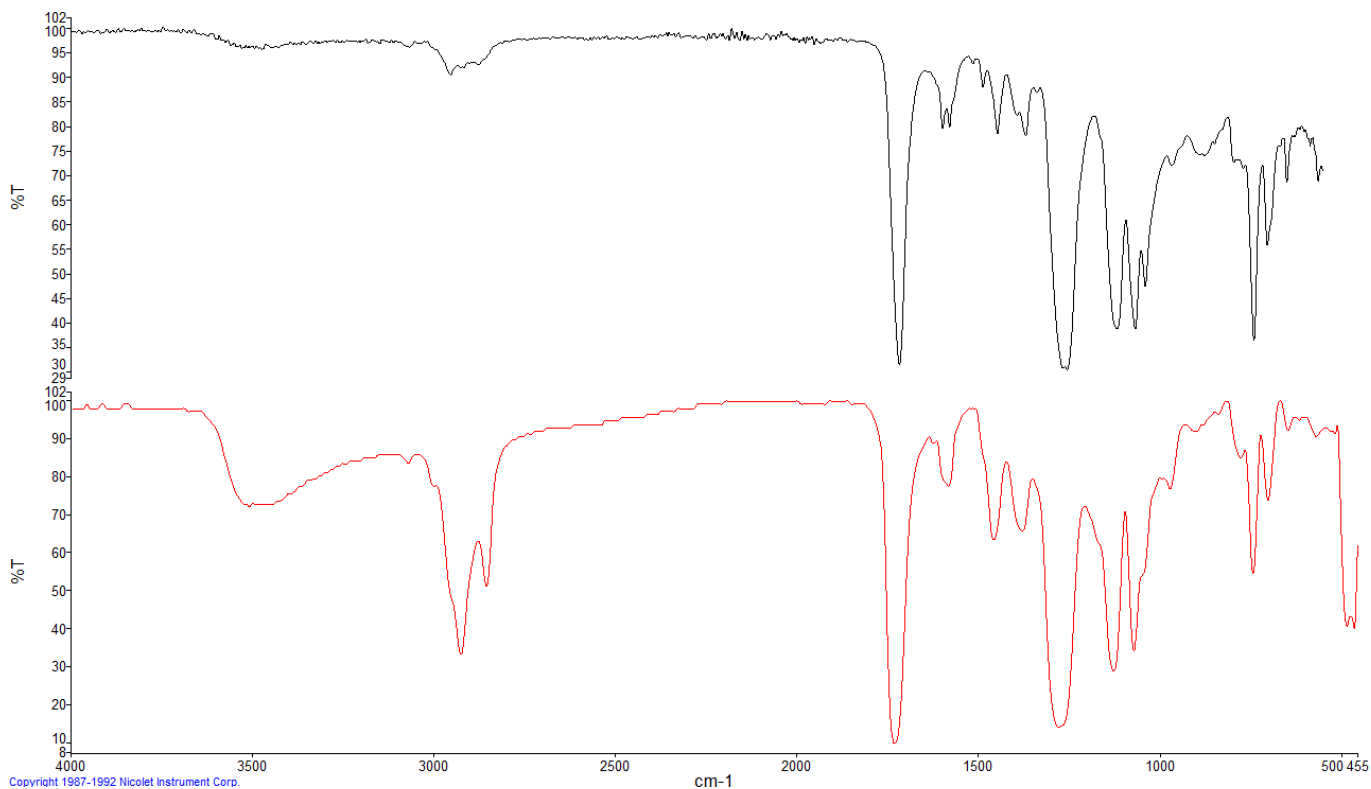
*1 As per the engineered stone definition in the Victorian Occupational Health and Safety (OHS) Regulations 2017.

3. CONCLUSION

This composite stone is classified as **Non-Engineered Stone** and therefore not classified as an "Engineered Stone" as per the Victorian Occupational Health and Safety (OHS) Regulations 2017.

APPENDIX A – FTIR SPECTRA:

DCM Extractable Material (Resin):



Spectrum 1:

Black - Lightcrest (Product Code 5103)

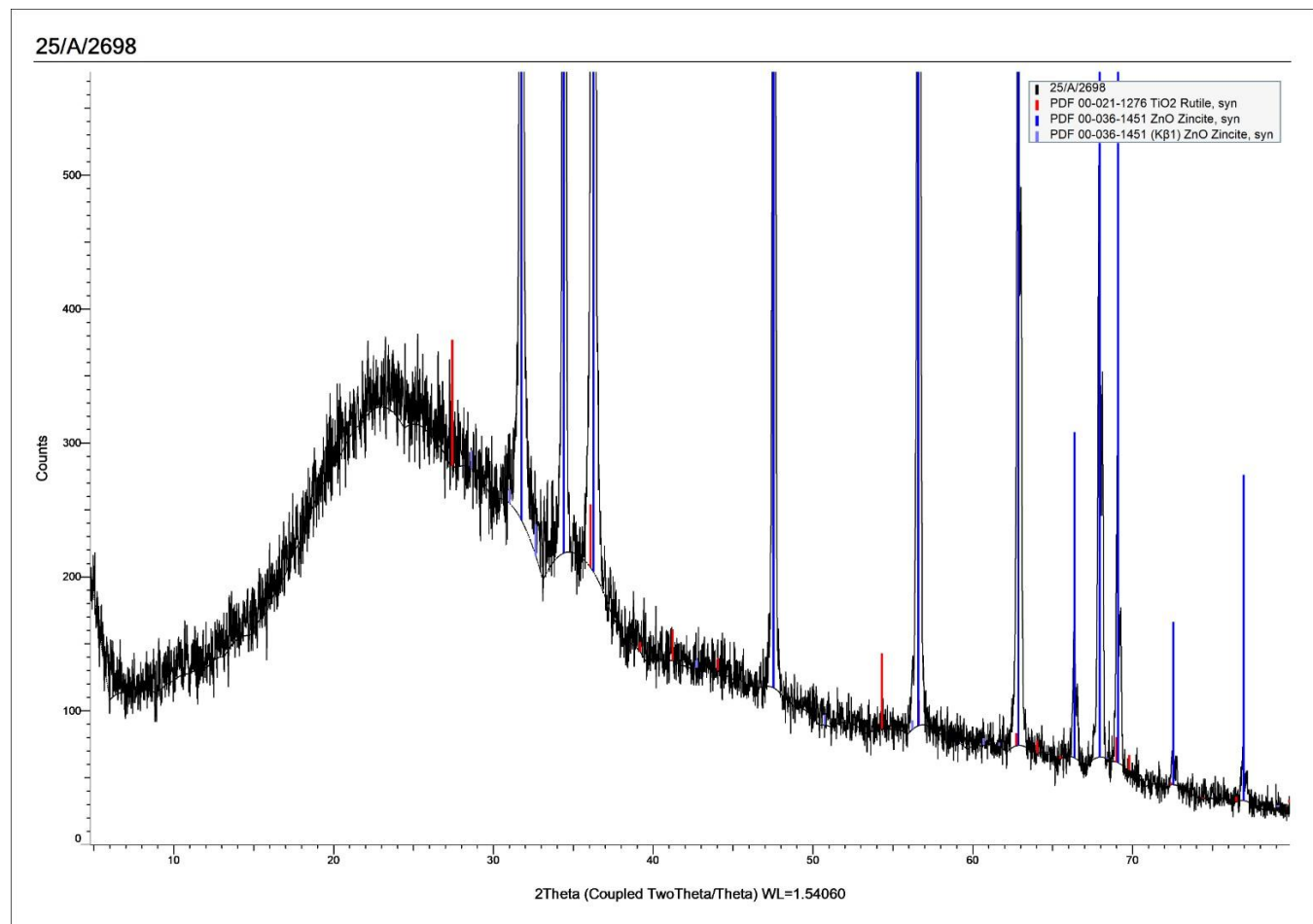
25/A/2698

Red – Polyester/Phthalate Resin

(Reference)

APPENDIX B – XRD SPECTRA:

Lightcrest (Product Code 5103)





TEST REPORT NO.: 25 – 0358 A

Report Date: 20th June 2025
Client: Caesarstone Australia Pty Ltd
Address: Warehouse 3a East
Moorebank Logistics Park
3 Tiber Place, Moorebank NSW 2170
Attention: Kim Smith
By Email: Kim.Smith@caesarstone.com.au
Sample(s): 1 x Composite Stone
Lab Number(s): 25/A/2697
Project: Engineered Stone Classification

Notes:

This laboratory was not involved with, consulted, or requested to undertake sampling of the specimens provided, and testing of those test specimens has been conducted as received in the laboratory.

Accordingly, no responsibility is taken for the integrity, authenticity, appropriateness, or representativeness, of any of the test specimens provided and this must be taken into account when reviewing, comparing or checking the test results published in this report.

Unless otherwise notified, all samples will be disposed of in three months from reporting date.

Yours faithfully,

Sharp and Howells Pty. Ltd.

Pietro Barilla
BSc. (PhD), MRACI, C.Chem.
Senior Scientist

Sam Le
Dip. Lab Tech, MRACI
Scientist

1. INSTRUCTIONS:

Sharp and Howells were requested by Caesarstone Australia Pty Ltd to classify (1) Composite Stone (slab type) for Engineered Stone Classification testing as per the Victorian OHS 2017 Regulation.

The samples were provided with markings as shown below:

1.1 Sample Identification:

MARKINGS:	Laceline (Product Code 5102)
LAB NO:	25/A/2697
DESCRIPTION:	White Stone with grey veins
	

2. METHODOLOGY

The following analyses were performed:

Elemental Analysis was conducted by **X-Ray Fluorescence (XRF) Spectrometry** (fused bead) using a Thermo Scientific ARL OPTIM'X WDXRF Spectrometer. Fused Bead @ 950°C 12:22 Flux (Lithium Tetraborate: Lithium Metaborate).

Loss on Ignition was conducted by high temperature Ignition using a Phoenix Black Microwave Muffle furnace.

Resin Identification Analysis was conducted by **Fourier Transform Infrared Spectroscopy (FTIR)** using a Perkin Elmer Spectrum 2 FTIR with ATR Accessory.

Mineral Phase Analysis was conducted by **X-Ray Diffraction (XRD)** (Powered Diffraction) using a Bruker-AXS Phaser with copper radiation at 30 kv and 10 mA, over a range of 5 to 80 degrees 2θ. A Ni Filter was used in the diffracted beam for elimination of Kβ radiation. Identification of phases present was carried out using Bruker Search/Match software and the ICDD PDF-2 database. The quantitative phase analysis was performed using SIROQUANT version 4 software. This was conducted by an external Laboratory. In cases where more than one "SiO₂" polymorph was quantified, the values were added together to achieve the "Total Crystalline Silica Content" as per **NIOSH EPHB Report No.375-12a Page 12**. ZnO was used for the internal standard method.

3. RESULTS OF ANALYSIS:

3.1 Total Crystalline Silica Content and Classification:

Sample Marked:	Laceline (Product Code 5102)
Lab Number:	25/A/2697
Total Silicon, as SiO₂, % w/w: (XRF)	61.3
Loss On Ignition (925°C), % w/w: (LOI)	13.4
Synthetic Resin Present: (FTIR) <i>See Appendix A:</i>	Yes <i>Close match to Polyester/Phthalate Based Resin</i>
Identified Crystalline Silica Polymorphs (XRD) <i>See Appendix B:</i>	
Quartz, % w/w:	Not Detected
Cristobalite, % w/w:	Not Detected
Tridymite, % w/w:	Not Detected
Total "Crystalline Silica" in Sample, % w/w:	Not Detected
Classification of Product ^{*1}:	Non-Engineered

Notes:

- No other forms of Crystalline Silica were identified in the sample. (NIOSH 2002).
- XRD values are rounded to the nearest whole number
- XRF used as quality control for phase selection.
- XRD Detection Limit of 1 % w/w
- XRF Measurement Uncertainty 1.4 %

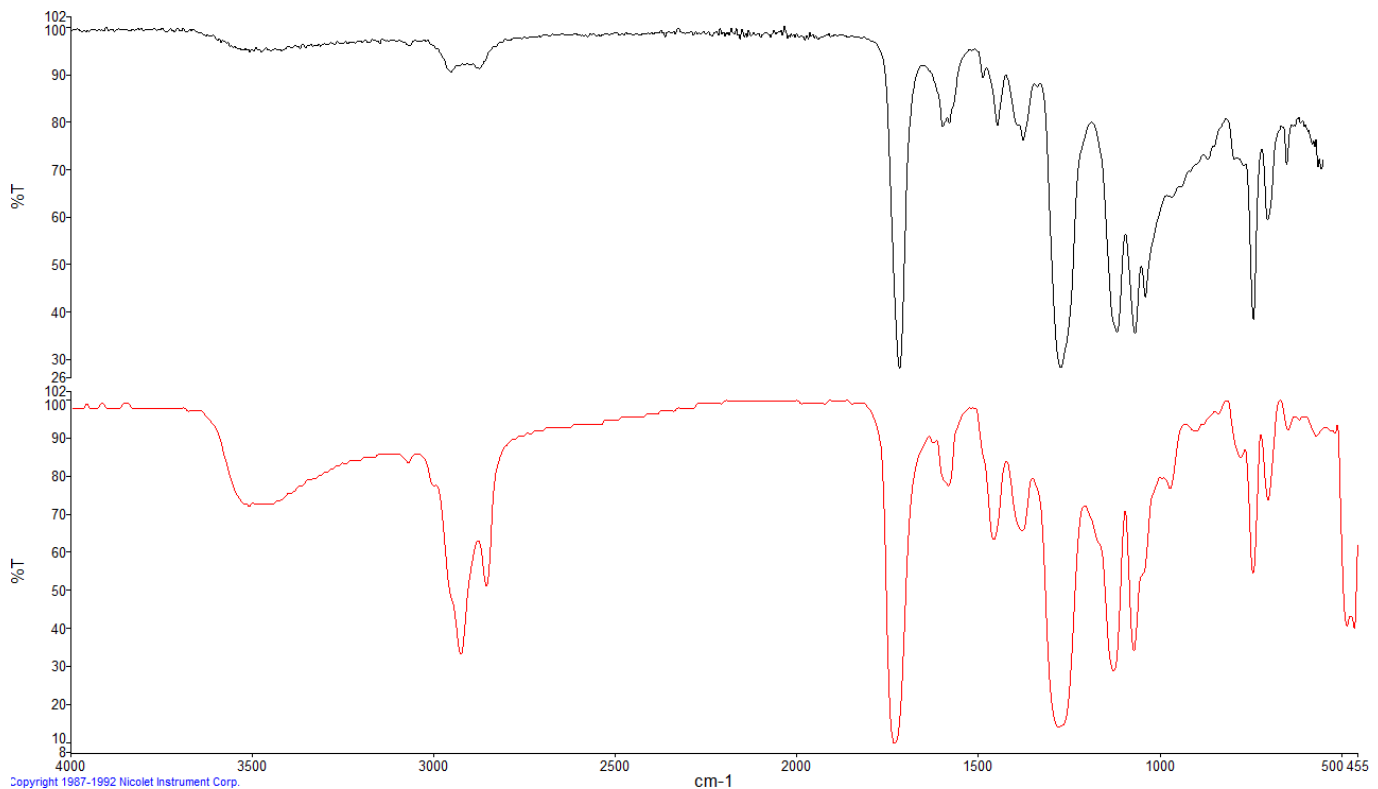
*1 As per the engineered stone definition in the Victorian Occupational Health and Safety (OHS) Regulations 2017.

3. CONCLUSION

This composite stone is classified as **Non-Engineered Stone** and therefore not classified as an "Engineered Stone" as per the Victorian Occupational Health and Safety (OHS) Regulations 2017.

APPENDIX A – FTIR SPECTRA:

DCM Extractable Material (Resin):



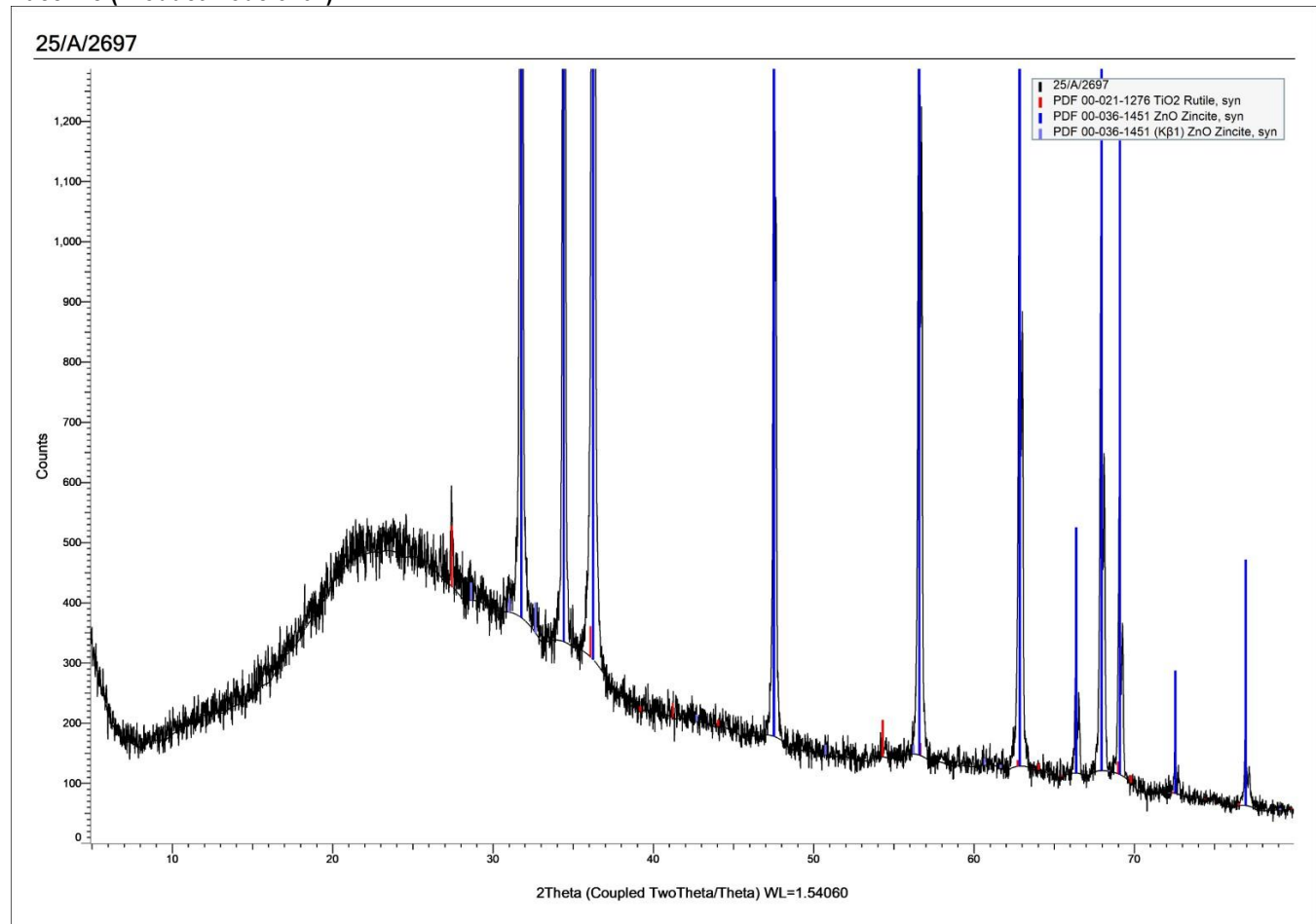
Spectrum 1:

Black - **Laceline (Product Code 5102)**
Red – **Polyester/Phthalate Resin**

25/A/2697
(Reference)

APPENDIX B – XRD SPECTRA:

Laceline (Product Code 5102)





TEST REPORT NO.: 25 – 0358 H

Report Date: 8th July 2025
Client: Caesarstone Australia Pty Ltd
Address: Warehouse 3a East
Moorebank Logistics Park
3 Tiber Place, Moorebank NSW 2170
Attention: Kim Smith
By Email: Kim.Smith@caesarstone.com.au
Sample(s): 1 x Composite Stone
Lab Number(s): 25/A/2708
Project: Engineered Stone Classification

Notes:

This laboratory was not involved with, consulted, or requested to undertake sampling of the specimens provided, and testing of those test specimens has been conducted as received in the laboratory.

Accordingly, no responsibility is taken for the integrity, authenticity, appropriateness, or representativeness, of any of the test specimens provided and this must be taken into account when reviewing, comparing or checking the test results published in this report.

Unless otherwise notified, all samples will be disposed of in three months from reporting date.

Yours faithfully,

Sharp and Howells Pty. Ltd.

Pietro Barilla
BSc. (PhD), MRACI, C.Chem.
Senior Scientist

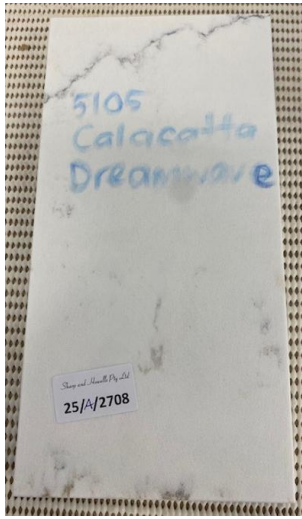
Sam Le
Dip. Lab Tech, MRACI
Scientist

1. INSTRUCTIONS:

Sharp and Howells were requested by Caesarstone Australia Pty Ltd to classify (1) Composite Stone (slab type) for Engineered Stone Classification testing as per the Victorian OHS 2017 Regulation.

The samples were provided with markings as shown below:

1.1 Sample Identification:

MARKINGS:	Calacatta Dreamwave (Product Code 5105)
LAB NO:	25/A/2708
DESCRIPTION:	White stone with marbling
	

2. METHODOLOGY

The following analyses were performed:

Elemental Analysis was conducted by **X-Ray Fluorescence (XRF) Spectrometry** (fused bead) using a Thermo Scientific ARL OPTIM'X WDXRF Spectrometer. Fused Bead @ 950°C 12:22 Flux (Lithium Tetraborate: Lithium Metaborate).

Loss on Ignition was conducted by high temperature Ignition using a Phoenix Black Microwave Muffle furnace.

Resin Identification Analysis was conducted by **Fourier Transform Infrared Spectroscopy (FTIR)** using a Perkin Elmer Spectrum 2 FTIR with ATR Accessory.

Mineral Phase Analysis was conducted by **X-Ray Diffraction (XRD)** (Powered Diffraction) using a Bruker-AXS Phaser with copper radiation at 30 kv and 10 mA, over a range of 5 to 80 degrees 2θ. A Ni Filter was used in the diffracted beam for elimination of Kβ radiation. Identification of phases present was carried out using Bruker Search/Match software and the ICDD PDF-2 database. The quantitative phase analysis was performed using SIROQUANT version 4 software. This was conducted by an external Laboratory. In cases where more than one "SiO₂" polymorph was quantified, the values were added together to achieve the "Total Crystalline Silica Content" as per **NIOSH EPHB Report No.375-12a Page 12**. ZnO was used for the internal standard method.

3. RESULTS OF ANALYSIS:

3.1 Total Crystalline Silica Content and Classification:

Sample Marked:	Calacatta Dreamwave (Product Code 5105)
Lab Number:	25/A/2708
Total Silicon, as SiO ₂ , % w/w: (XRF)	61.6
Loss On Ignition (925°C), % w/w: (LOI)	13.3
Synthetic Resin Present: (FTIR) See Appendix A:	Yes Close match to Polyester/Phthalate Based Resin
Identified Crystalline Silica Polymorphs (XRD) See Appendix B:	
Quartz, % w/w:	Not Detected
Cristobalite, % w/w:	Not Detected
Tridymite, % w/w:	Not Detected
Total "Crystalline Silica" in Sample, % w/w:	Not Detected
Classification of Product *1:	Non-Engineered

Notes:

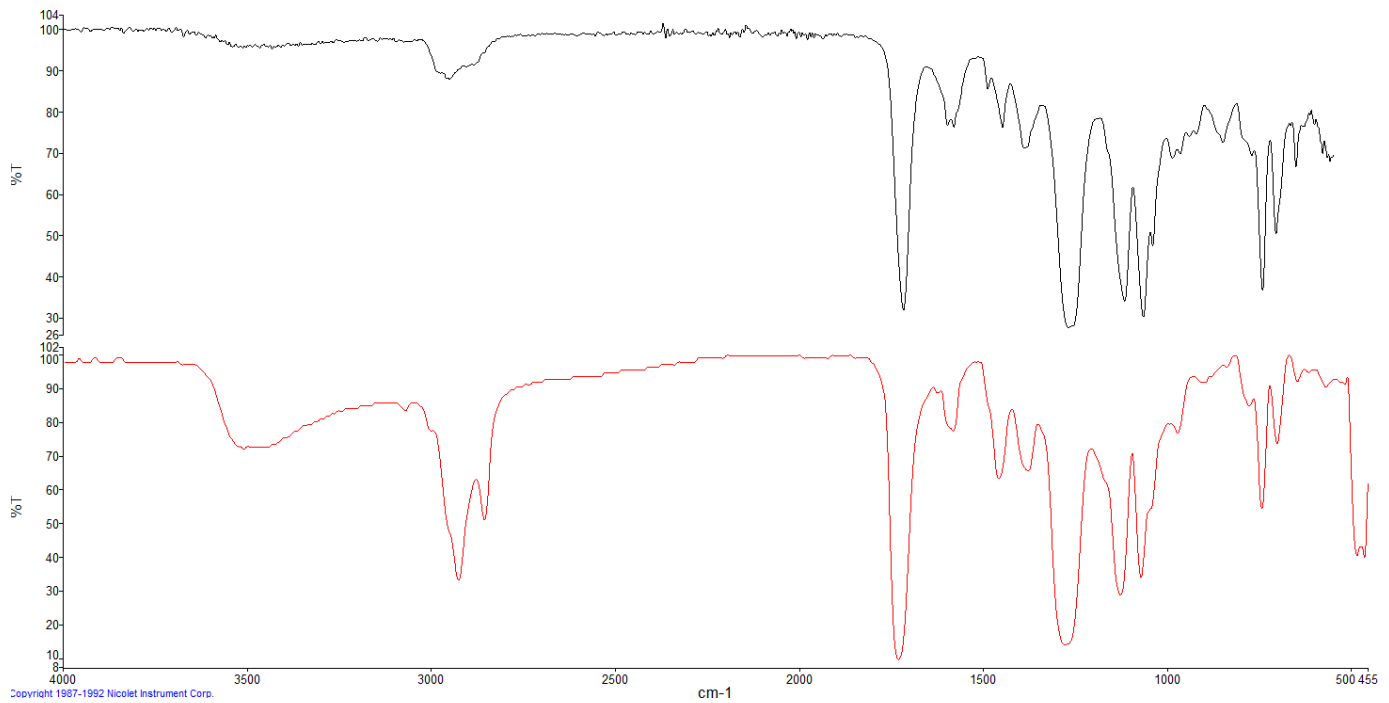
- No other forms of Crystalline Silica were identified in the sample. (NIOSH 2002).
- XRD values are rounded to the nearest whole number
- XRF used as quality control for phase selection.
- XRD Detection Limit of 1 % w/w
- XRF Measurement Uncertainty 1.4 %

*1 As per the engineered stone definition in the Victorian Occupational Health and Safety (OHS) Regulations 2017.

3. CONCLUSION

This composite stone is classified as **Non-Engineered Stone** and therefore not classified as an "Engineered Stone" as per the Victorian Occupational Health and Safety (OHS) Regulations 2017.

APPENDIX A – FTIR SPECTRA:



Spectrum 1:

Black - Calacatta Dreamwave (Product Code 5105)

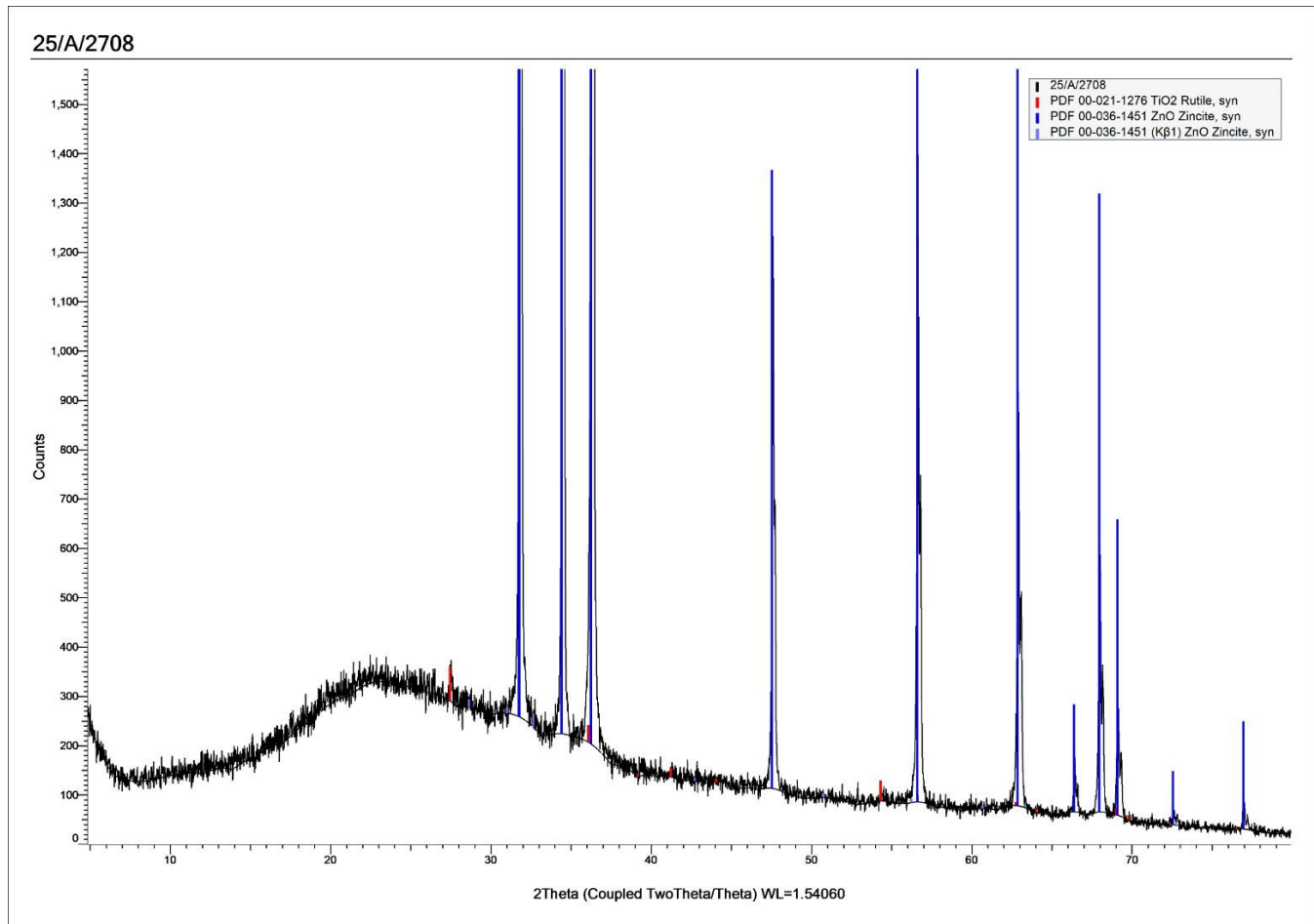
25/A/2708

Red – Polyester/Phthalate Resin

(Reference)

APPENDIX B – XRD SPECTRA:

Calacatta Dreamwave (Product Code 5105)





TEST REPORT NO.: 25 – 0699A

Report Date: 8th December 2025
Client: Caesarstone Australia Pty Ltd
Address: Warehouse 3a East
Moorebank Logistics Park
3 Tiber Place, Moorebank NSW 2170
Attention: Kim Smith
By Email: Kim.Smith@caesarstone.com.au
Sample(s): 1 x Composite Stone
Lab Number(s): 25/A/4934
Date Received: 2nd December 2025
Project: Engineered Stone Classification

Notes:

This laboratory was not involved with, consulted, or requested to undertake sampling of the specimens provided, and testing of those test specimens has been conducted as received in the laboratory.

Accordingly, no responsibility is taken for the integrity, authenticity, appropriateness, or representativeness, of any of the test specimens provided and this must be taken into account when reviewing, comparing or checking the test results published in this report.

Unless otherwise notified, all samples will be disposed of in three months from reporting date.

Yours faithfully,

Sharp and Howells Pty. Ltd.

Pietro Barilla
BSc. (PhD), MRACI, C.Chem.
Senior Scientist

Sean Caspar
BSc. Adv. Research (Hons.), MRACI.
Scientist

1. INSTRUCTIONS:

Sharp and Howells were requested by Caesarstone Australia Pty Ltd to classify (1) Composite Stone (slab type) for Engineered Stone Classification testing as per the Victorian OHS 2017 Regulation.

The samples were provided with markings as shown below:

1.1 Sample Identification:

MARKINGS:	Taj Whisper 8251
LAB NO:	25/A/4934
DESCRIPTION:	Light Grey Stone

2. METHODOLOGY

The following analyses were performed:

Elemental Analysis was conducted by **X-Ray Fluorescence (XRF) Spectrometry** (fused bead) using a Thermo Scientific ARL OPTIM'X WDXRF Spectrometer. Fused Bead @ 950°C 12:22 Flux (Lithium Tetraborate: Lithium Metaborate).

Loss on Ignition was conducted by high temperature Ignition using a Phoenix Black Microwave Muffle furnace.

Resin Identification Analysis was conducted by **Fourier Transform Infrared Spectroscopy (FTIR)** using a Perkin Elmer Spectrum 2 FTIR with ATR Accessory.

Mineral Phase Analysis was conducted by **X-Ray Diffraction (XRD)** (Powered Diffraction) using a Bruker-AXS Phaser with copper radiation at 30 kv and 10 mA, over a range of 5 to 80 degrees 2θ. A Ni Filter was used in the diffracted beam for elimination of Kβ radiation. Identification of phases present was carried out using Bruker Search/Match software and the ICDD PDF-2 database. The quantitative phase analysis was performed using SIROQUANT version 4 software. This was conducted by an external Laboratory. In cases where more than one "SiO₂" polymorph was quantified, the values were added together to achieve the "Total Crystalline Silica Content" as per **NIOSH EPHB Report No.375-12a Page 12**. **ZnO** was used for the internal standard method.

3. RESULTS OF ANALYSIS:

3.1 Total Crystalline Silica Content and Classification:

Sample Marked:	Taj Whisper 8251
Lab Number:	25/A/4934
Total Silicon, as SiO₂, % w/w: (XRF)	60.3
Loss On Ignition (925°C), % w/w: (LOI)	13.4
Synthetic Resin Present: (FTIR) <i>See Appendix A:</i>	Yes <i>Close match to Polyester/Phthalate Based Resin</i>
Identified Crystalline Silica Polymorphs (XRD) <i>See Appendix B:</i>	
Quartz, % w/w:	< 1
Cristobalite, % w/w:	Not Detected
Tridymite, % w/w:	Not Detected
Total "Crystalline Silica" in Sample, % w/w:	< 1
Classification of Product ^{*1}:	Non-Engineered Stone

Notes:

- No other forms of Crystalline Silica were identified in the sample. (NIOSH 2002).
- XRD values are rounded to the nearest whole number
- XRF used as quality control for phase selection.
- XRF Measurement Uncertainty 1.4 %
- XRD PQL of 1 % w/w

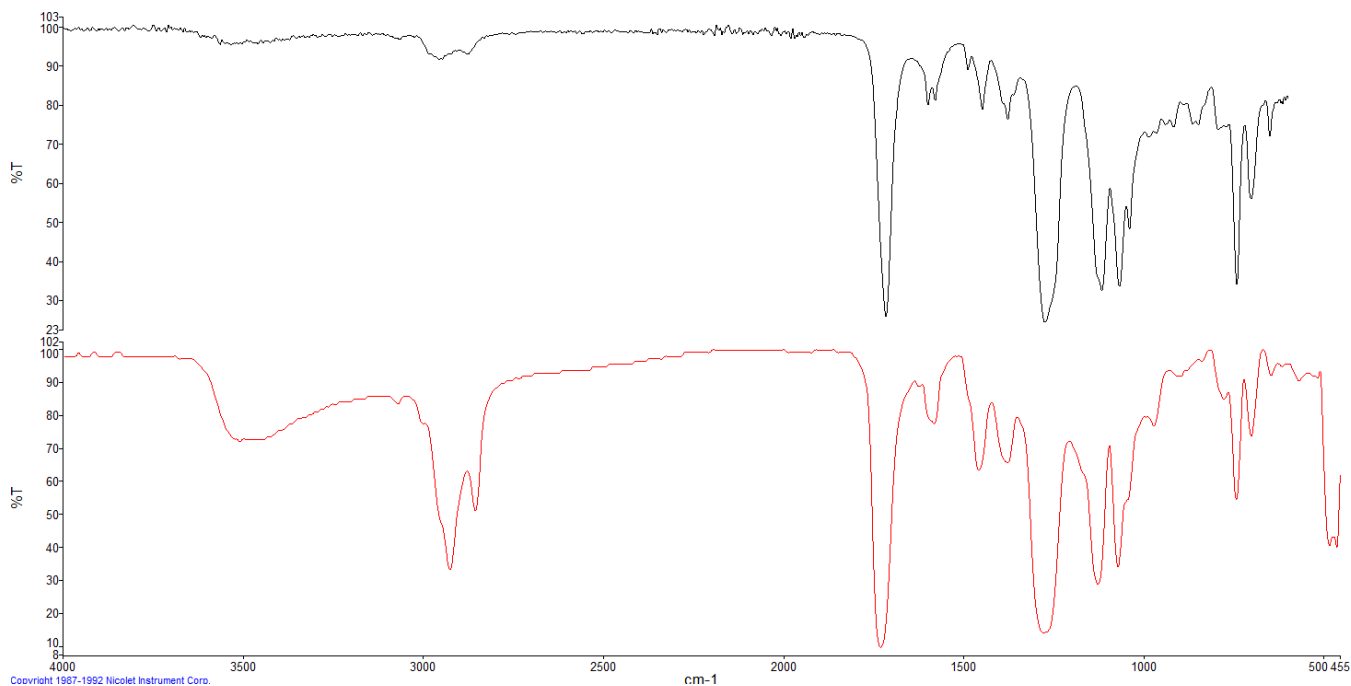
*1 As per the engineered stone definition in the Victorian Occupational Health and Safety (OHS) Regulations 2017.

3. CONCLUSION

This composite stone is classified as **Non-Engineered Stone** and therefore not classified as an "Engineered Stone" as per the Victorian Occupational Health and Safety (OHS) Regulations 2017.

APPENDIX A – FTIR SPECTRA:

DCM Extractable Material (Resin):



Spectrum 1:

Black - Taj Whisper 8251 Sample Origin-CASLA

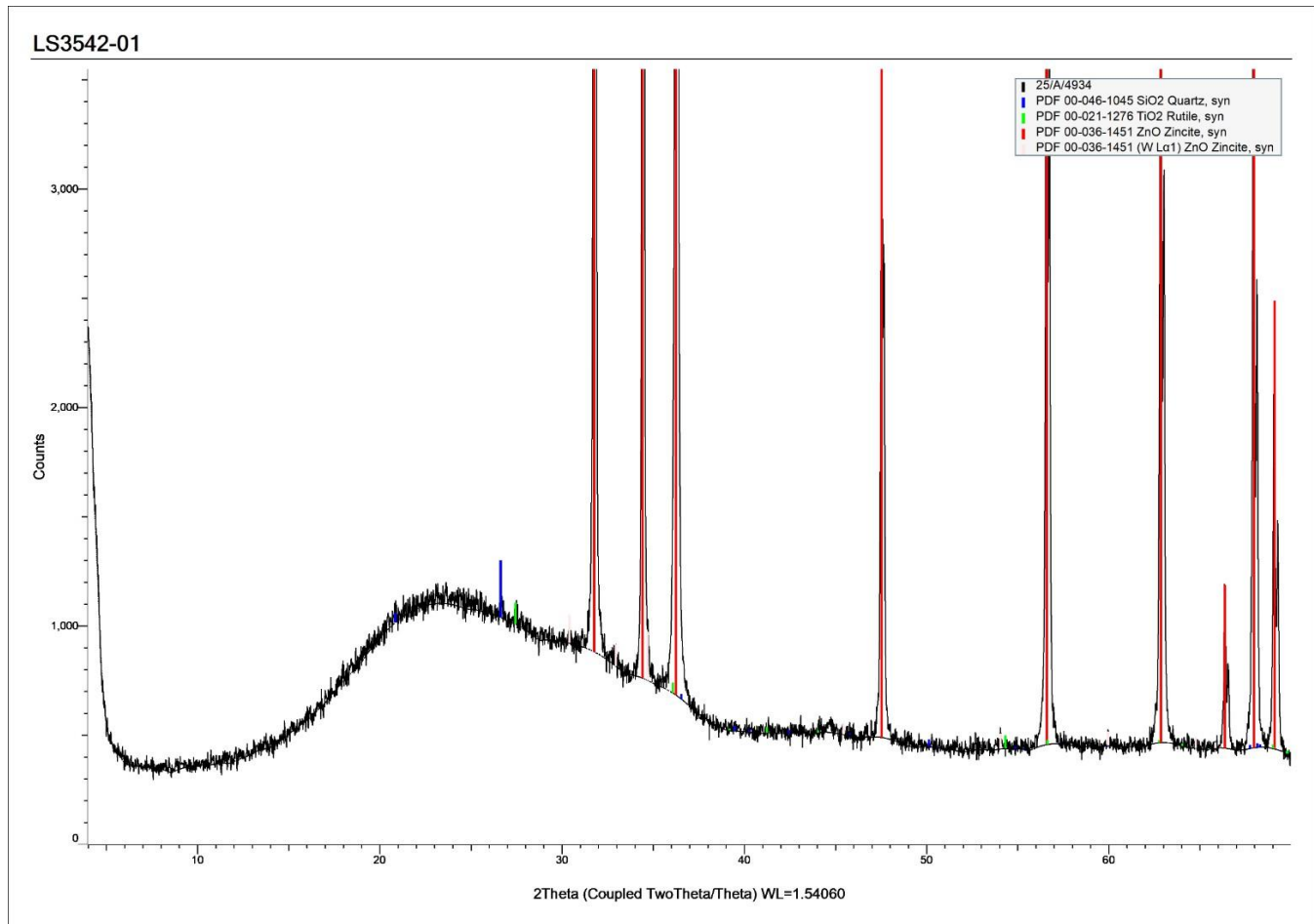
25/A/4934

Red – Polyester/Phthalate Resin

(Reference)

APPENDIX B – XRD SPECTRA:

Taj Whisper 8251 Sample Origin-CASLA





TEST REPORT NO.: 25 – 0699B

Report Date: 8th December 2025
Client: Caesarstone Australia Pty Ltd
Address: Warehouse 3a East
Moorebank Logistics Park
3 Tiber Place, Moorebank NSW 2170
Attention: Kim Smith
By Email: Kim.Smith@caesarstone.com.au
Sample(s): 1 x Composite Stone
Lab Number(s): 25/A/4935
Date Received: 2nd December 2025
Project: Engineered Stone Classification

Notes:

This laboratory was not involved with, consulted, or requested to undertake sampling of the specimens provided, and testing of those test specimens has been conducted as received in the laboratory.

Accordingly, no responsibility is taken for the integrity, authenticity, appropriateness, or representativeness, of any of the test specimens provided and this must be taken into account when reviewing, comparing or checking the test results published in this report.

Unless otherwise notified, all samples will be disposed of in three months from reporting date.

Yours faithfully,

Sharp and Howells Pty. Ltd.

Pietro Barilla
BSc. (PhD), MRACI, C.Chem.
Senior Scientist

Sean Caspar
BSc. Adv. Research (Hons.), MRACI.
Scientist

1. INSTRUCTIONS:

Sharp and Howells were requested by Caesarstone Australia Pty Ltd to classify (1) Composite Stone (slab type) for Engineered Stone Classification testing as per the Victorian OHS 2017 Regulation.

The samples were provided with markings as shown below:

1.1 Sample Identification:

MARKINGS:	Sedara 8252
LAB NO:	25/A/4935
DESCRIPTION:	Light Grey Stone

2. METHODOLOGY

The following analyses were performed:

Elemental Analysis was conducted by **X-Ray Fluorescence (XRF) Spectrometry** (fused bead) using a Thermo Scientific ARL OPTIM'X WDXRF Spectrometer. Fused Bead @ 950°C 12:22 Flux (Lithium Tetraborate: Lithium Metaborate).

Loss on Ignition was conducted by high temperature Ignition using a Phoenix Black Microwave Muffle furnace.

Resin Identification Analysis was conducted by **Fourier Transform Infrared Spectroscopy (FTIR)** using a Perkin Elmer Spectrum 2 FTIR with ATR Accessory.

Mineral Phase Analysis was conducted by **X-Ray Diffraction (XRD)** (Powered Diffraction) using a Bruker-AXS Phaser with copper radiation at 30 kv and 10 mA, over a range of 5 to 80 degrees 2θ. A Ni Filter was used in the diffracted beam for elimination of Kβ radiation. Identification of phases present was carried out using Bruker Search/Match software and the ICDD PDF-2 database. The quantitative phase analysis was performed using SIROQUANT version 4 software. This was conducted by an external Laboratory. In cases where more than one "SiO₂" polymorph was quantified, the values were added together to achieve the "Total Crystalline Silica Content" as per **NIOSH EPHB Report No.375-12a Page 12**. ZnO was used for the internal standard method.

3. RESULTS OF ANALYSIS:

3.1 Total Crystalline Silica Content and Classification:

Sample Marked:	Sedara 8252
Lab Number:	25/A/4935
Total Silicon, as SiO₂, % w/w: (XRF)	60.4
Loss On Ignition (925°C), % w/w: (LOI)	13.2
Synthetic Resin Present: (FTIR) <i>See Appendix A:</i>	Yes <i>Close match to Polyester/Phthalate Based Resin</i>
Identified Crystalline Silica Polymorphs (XRD) <i>See Appendix B:</i>	
Quartz, % w/w:	< 1
Cristobalite, % w/w:	Not Detected
Tridymite, % w/w:	Not Detected
Total "Crystalline Silica" in Sample, % w/w:	< 1
Classification of Product ^{*1}:	Non-Engineered Stone

Notes:

- No other forms of Crystalline Silica were identified in the sample. (NIOSH 2002).
- XRD values are rounded to the nearest whole number
- XRF used as quality control for phase selection.
- XRF Measurement Uncertainty 1.4 %
- XRD PQL of 1 % w/w

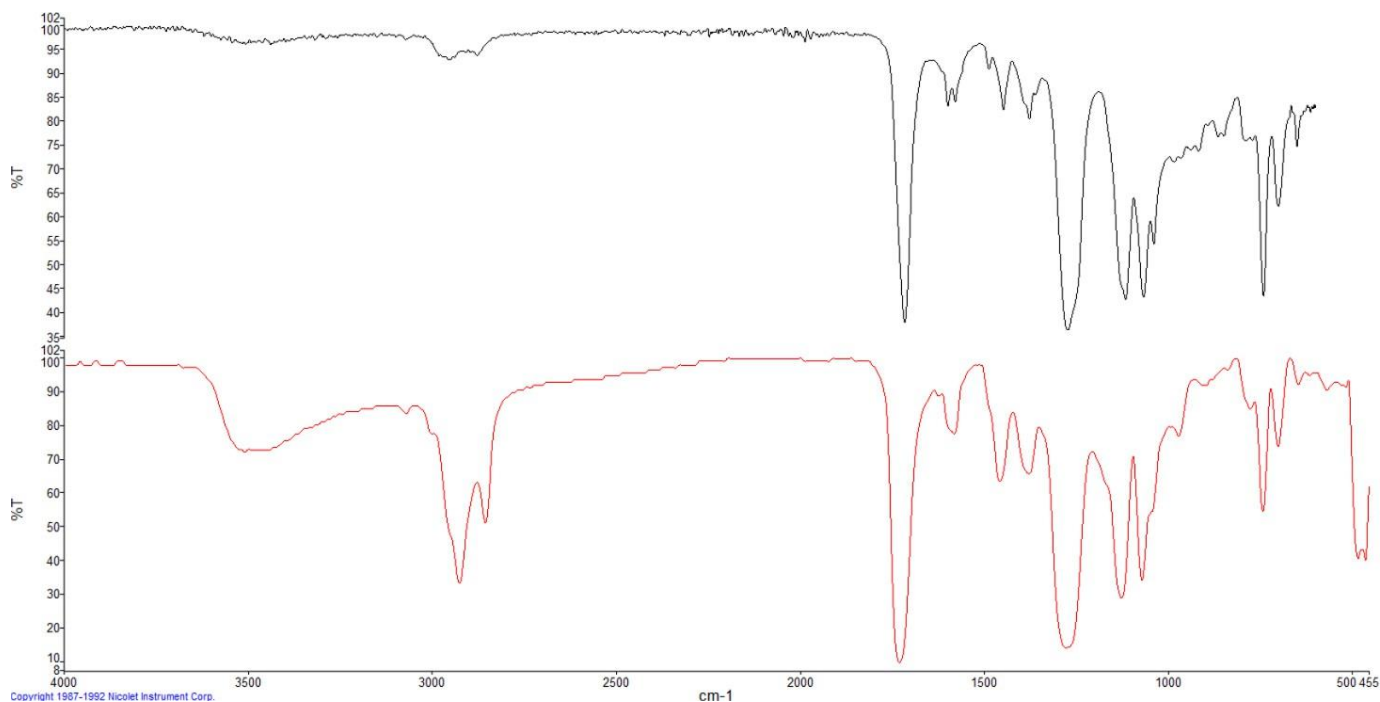
*1 As per the engineered stone definition in the Victorian Occupational Health and Safety (OHS) Regulations 2017.

3. CONCLUSION

This composite stone is classified as **Non-Engineered Stone** and therefore not classified as an "Engineered Stone" as per the Victorian Occupational Health and Safety (OHS) Regulations 2017.

APPENDIX A – FTIR SPECTRA:

DCM Extractable Material (Resin):



Spectrum 1:

Black - Sedara 8252 Sample Origin - CASLA

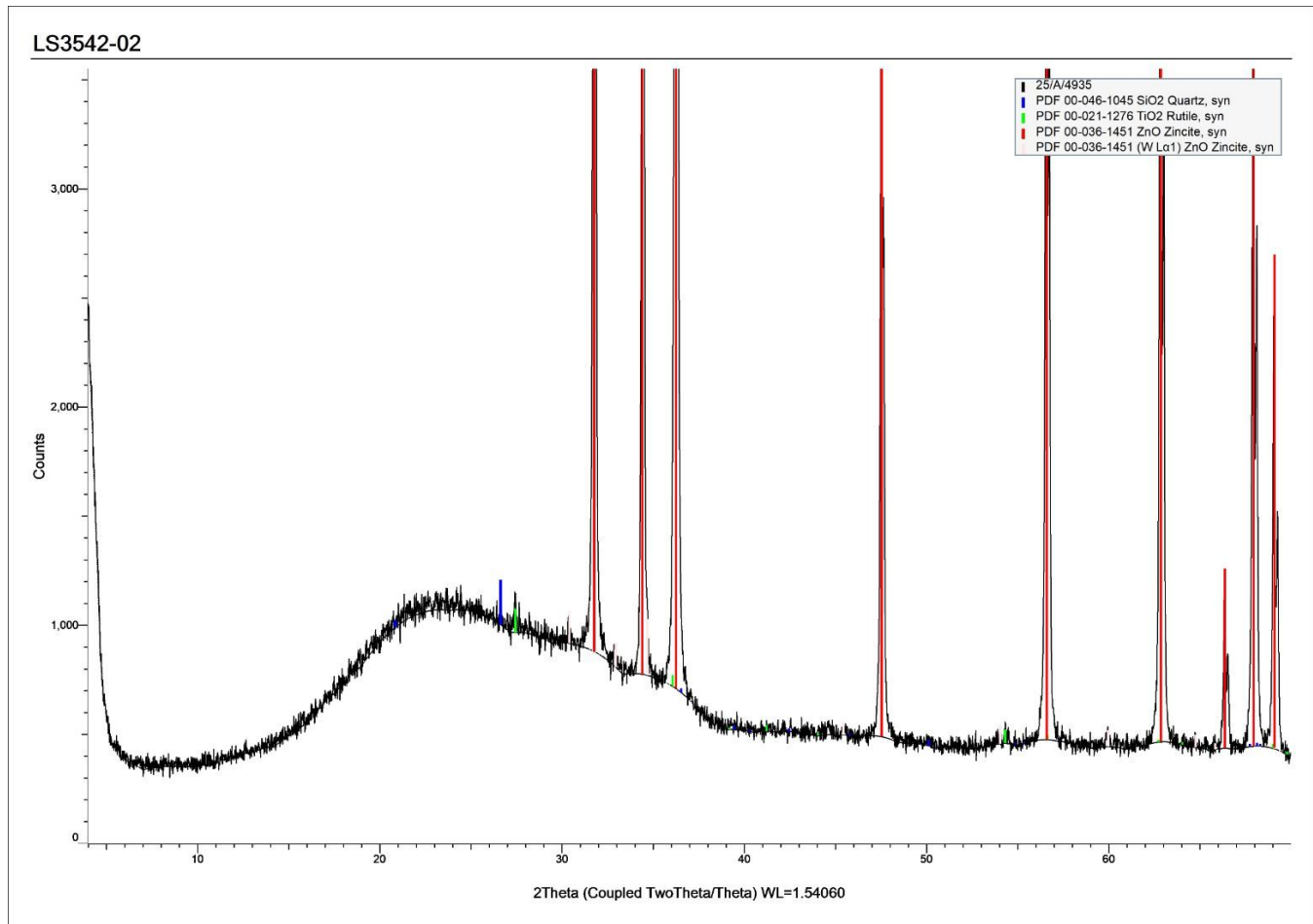
25/A/4935

Red - Polyester/Phthalate Resin

(Reference)

APPENDIX B – XRD SPECTRA:

Sedara 8252 Sample Origin - CASLA





TEST REPORT NO.: 25 – 0358 I

Report Date: 8th July 2025
Client: Caesarstone Australia Pty Ltd
Address: Warehouse 3a East
Moorebank Logistics Park
3 Tiber Place, Moorebank NSW 2170
Attention: Kim Smith
By Email: Kim.Smith@caesarstone.com.au
Sample(s): 1 x Composite Stone
Lab Number(s): 25/A/2709
Project: Engineered Stone Classification

Notes:

This laboratory was not involved with, consulted, or requested to undertake sampling of the specimens provided, and testing of those test specimens has been conducted as received in the laboratory.

Accordingly, no responsibility is taken for the integrity, authenticity, appropriateness, or representativeness, of any of the test specimens provided and this must be taken into account when reviewing, comparing or checking the test results published in this report.

Unless otherwise notified, all samples will be disposed of in three months from reporting date.

Yours faithfully,

Sharp and Howells Pty. Ltd.

Pietro Barilla
BSc. (PhD), MRACI, C.Chem.
Senior Scientist

Sam Le
Dip. Lab Tech, MRACI
Scientist

1. INSTRUCTIONS:

Sharp and Howells were requested by Caesarstone Australia Pty Ltd to classify (1) Composite Stone (circular offcut type) for Engineered Stone Classification testing as per the Victorian OHS 2017 Regulation.

The samples were provided with markings as shown below:

1.1 Sample Identification:

MARKINGS:	Calacatta Lacebound (Product Code 8100)
LAB NO:	25/A/2709
DESCRIPTION:	White stone
	

2. METHODOLOGY

The following analyses were performed:

Elemental Analysis was conducted by **X-Ray Fluorescence (XRF) Spectrometry** (fused bead) using a Thermo Scientific ARL OPTIM'X WDXRF Spectrometer. Fused Bead @ 950°C 12:22 Flux (Lithium Tetraborate: Lithium Metaborate).

Loss on Ignition was conducted by high temperature Ignition using a Phoenix Black Microwave Muffle furnace.

Resin Identification Analysis was conducted by **Fourier Transform Infrared Spectroscopy (FTIR)** using a Perkin Elmer Spectrum 2 FTIR with ATR Accessory.

Mineral Phase Analysis was conducted by **X-Ray Diffraction (XRD)** (Powered Diffraction) using a Bruker-AXS Phaser with copper radiation at 30 kv and 10 mA, over a range of 5 to 80 degrees 2θ. A Ni Filter was used in the diffracted beam for elimination of Kβ radiation. Identification of phases present was carried out using Bruker Search/Match software and the ICDD PDF-2 database. The quantitative phase analysis was performed using SIROQUANT version 4 software. This was conducted by an external Laboratory. In cases where more than one "SiO₂" polymorph was quantified, the values were added together to achieve the "Total Crystalline Silica Content" as per **NIOSH EPHB Report No.375-12a Page 12**. ZnO was used for the internal standard method.

3. RESULTS OF ANALYSIS:

3.1 Total Crystalline Silica Content and Classification:

Sample Marked:	Calacatta Lacebound (Product Code 8100)
Lab Number:	25/A/2709
Total Silicon, as SiO ₂ , % w/w: (XRF)	62.7
Loss On Ignition (925°C), % w/w: (LOI)	12.0
Synthetic Resin Present: (FTIR) See Appendix A:	Yes Close match to Polyester/Phthalate Based Resin
Identified Crystalline Silica Polymorphs (XRD) See Appendix B:	
Quartz, % w/w:	< 1
Cristobalite, % w/w:	Not Detected
Tridymite, % w/w:	Not Detected
Total "Crystalline Silica" in Sample, % w/w:	< 1
Classification of Product *1:	Non-Engineered

Notes:

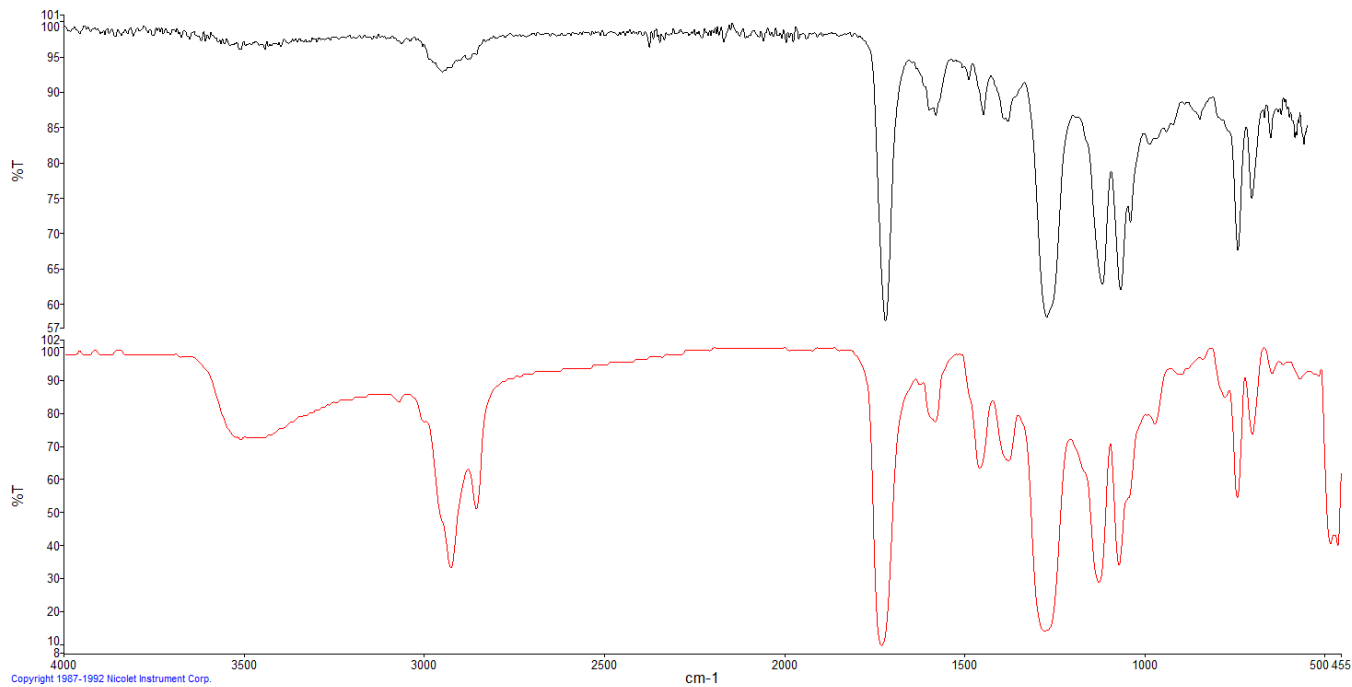
- No other forms of Crystalline Silica were identified in the sample. (NIOSH 2002).
- XRD values are rounded to the nearest whole number
- XRF used as quality control for phase selection.
- XRD Detection Limit of 1 % w/w
- XRF Measurement Uncertainty 1.4 %

*1 As per the engineered stone definition in the Victorian Occupational Health and Safety (OHS) Regulations 2017.

3. CONCLUSION

This composite stone is classified as **Non-Engineered Stone** and therefore not classified as an "Engineered Stone" as per the Victorian Occupational Health and Safety (OHS) Regulations 2017.

APPENDIX A – FTIR SPECTRA:



Spectrum 1:

Black - **Calacatta Lacebound (Product Code 8100)**
Red – **Polyester/Phthalate Resin**

25/A/2709
(Reference)

APPENDIX B – XRD SPECTRA:

Calacatta Lacebound (Product Code 8100)

