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

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Level 2, Building 1, 9-15 Chilvers Road, Thornleigh, NSW 2120, Australia
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ABN 81 913 830 179

Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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 '±' 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

Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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

Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

NSW GOVERNMENT | SafeWork NSW

Test Safe AUSTRALIA

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

TestSafe Australia – Chemical Analysis Branch
Level 2, Building 1, 9-15 Chilvers Road, Thornleigh, NSW 2120, Australia
T: +61 2 9473 4000 E: lab@safework.nsw.gov.au W: testsafe.com.au
ABN 81 913 830 179

ilac-MRA NATA

Accreditation No. 3726

Accredited for compliance with ISO/IEC 17025 - Testing

NSW GOVERNMENT | SafeWork NSW

Test Safe AUSTRALIA

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.

IMPORTANT INFORMATION
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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:
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ilac-MRA NATA

Accreditation No. 3726

Accredited for compliance with ISO/IEC 17025 - Testing

NSW GOVERNMENT | SafeWork NSW

Test Safe AUSTRALIA

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

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ABN 81 913 830 179

NSW GOVERNMENT | SafeWork NSW

Test Safe AUSTRALIA

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.

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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

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ABN 81 913 830 179

Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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.

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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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

Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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

Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

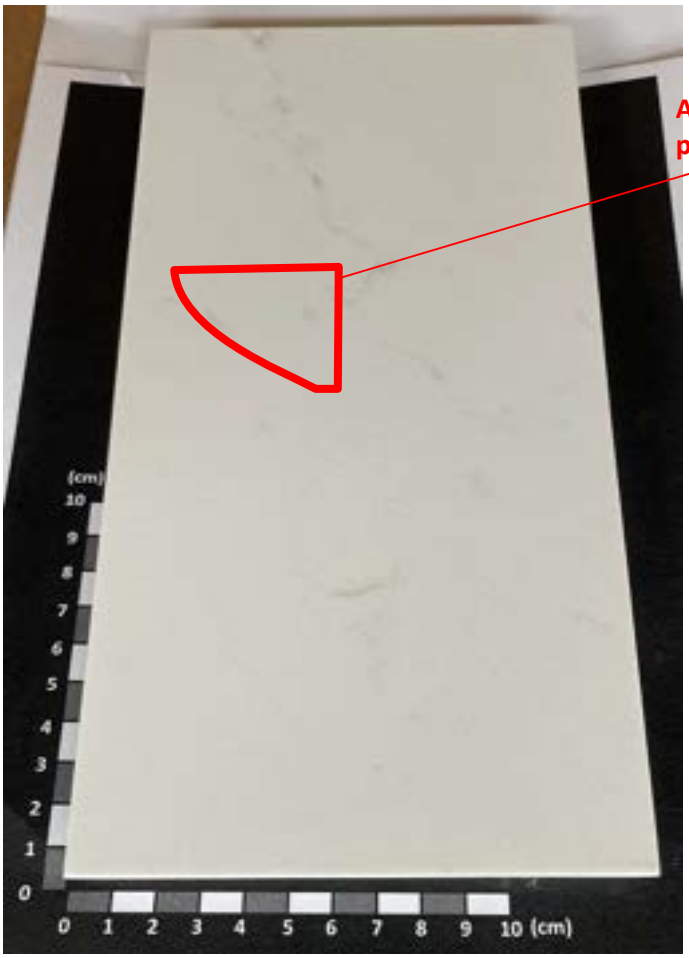
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 6/8/2024**

Reference number	**2024-2795-3**

Sample image



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

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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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

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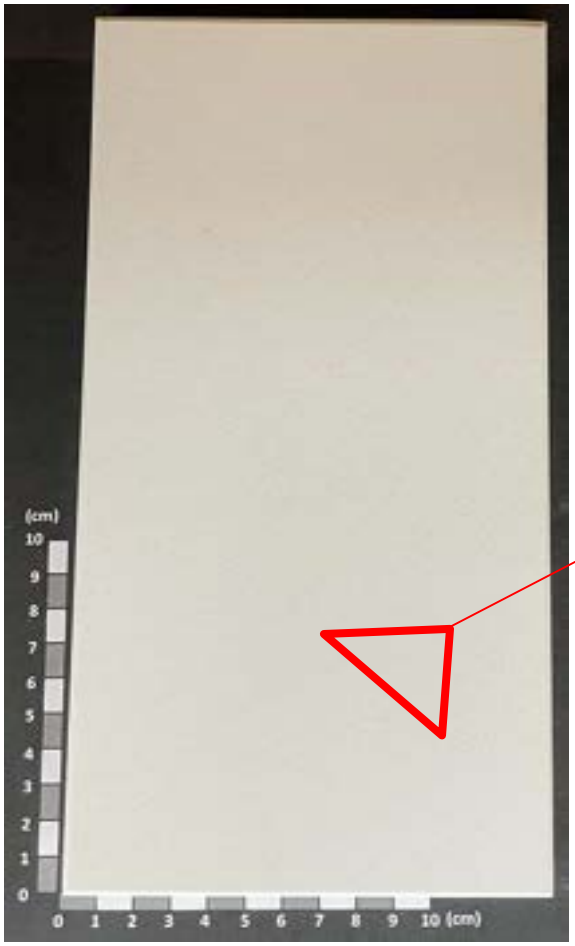
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 2/9/2024**

Reference number	**2024-2797-1**

Sample image



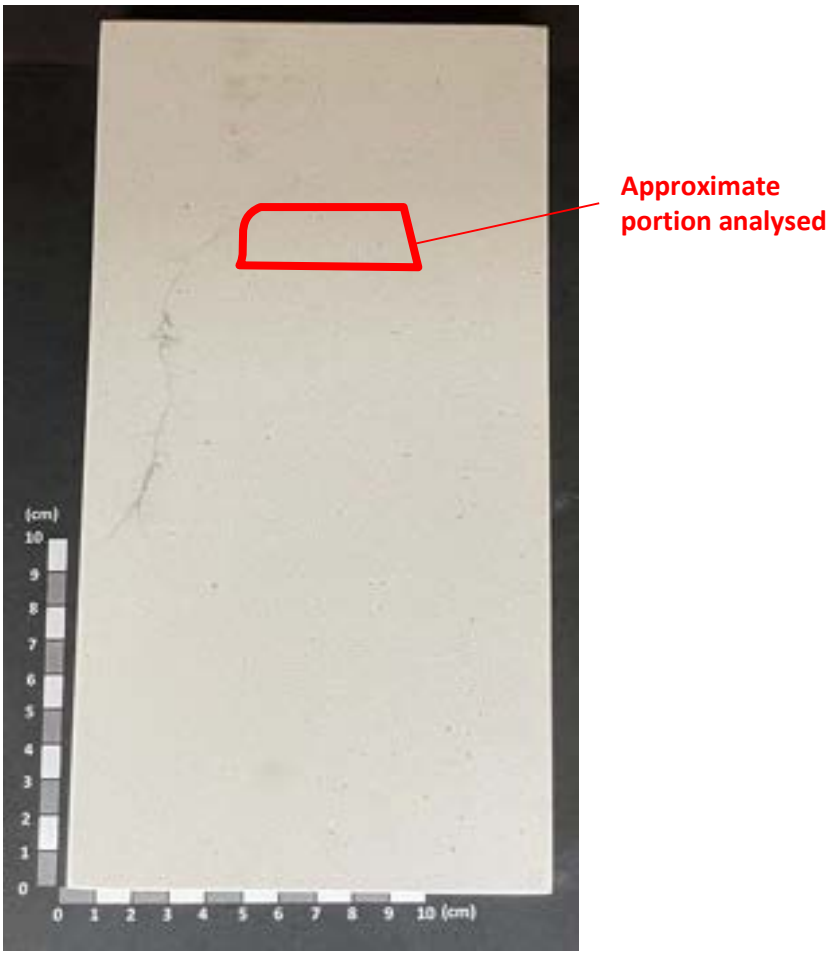
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 2/9/2024**

Reference number	**2024-2797-2**

Sample image



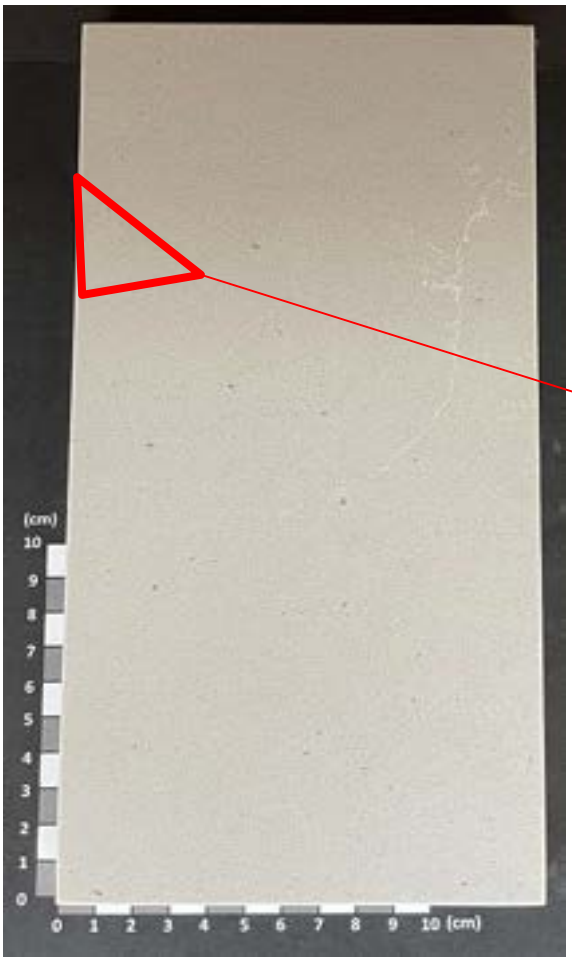
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 2/9/2024**

Reference number	**2024-2797-3**

Sample image



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.

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

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ABN 81 913 830 179

Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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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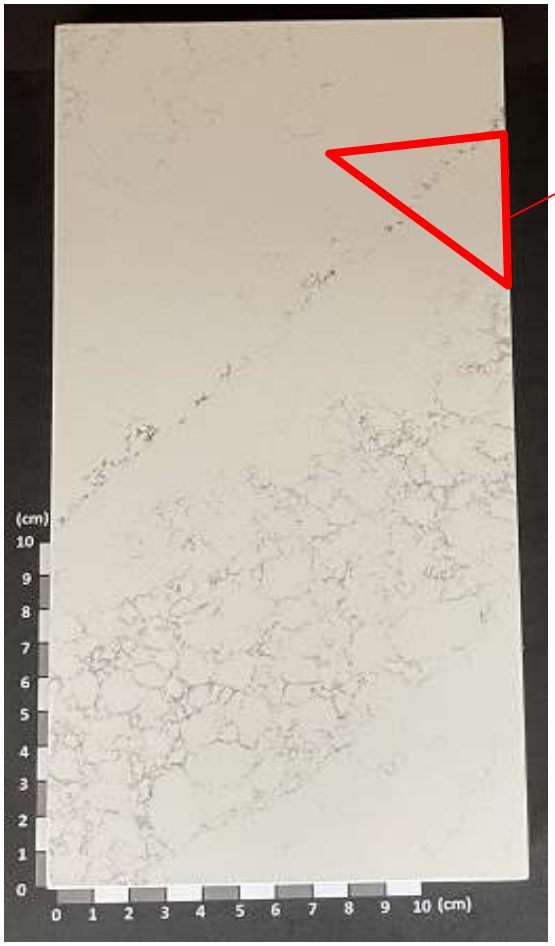
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 27/8/2024**

Reference number	**2024-2796-1**

Sample image



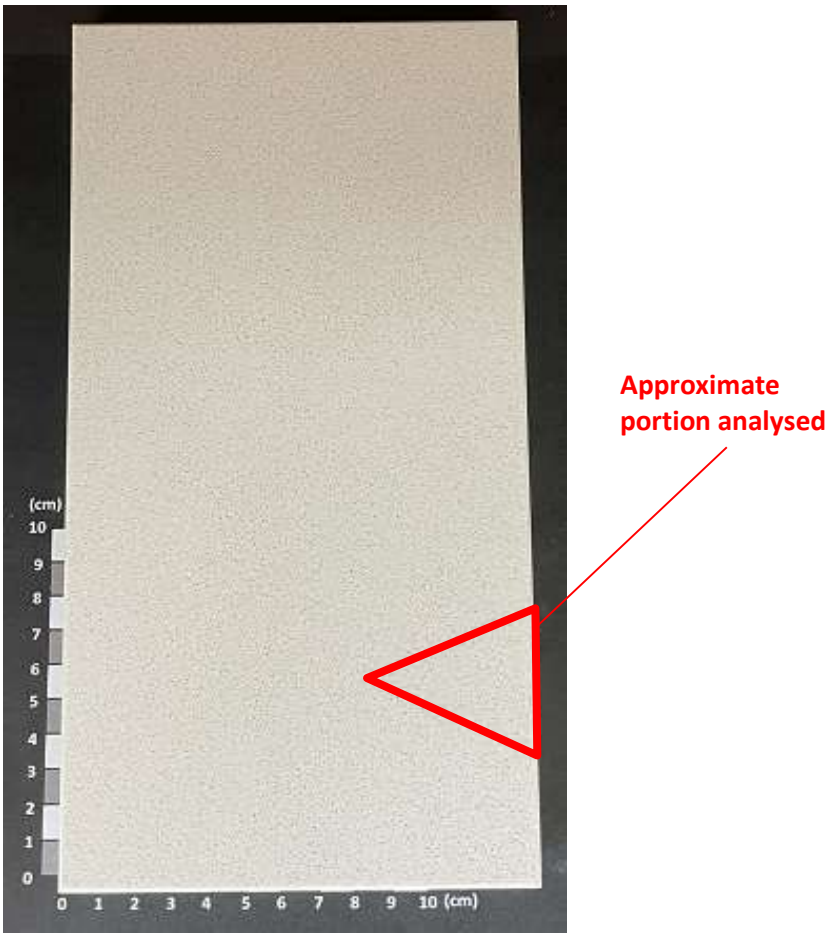
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 27/8/2024**

Reference number	**2024-2796-2**

Sample image



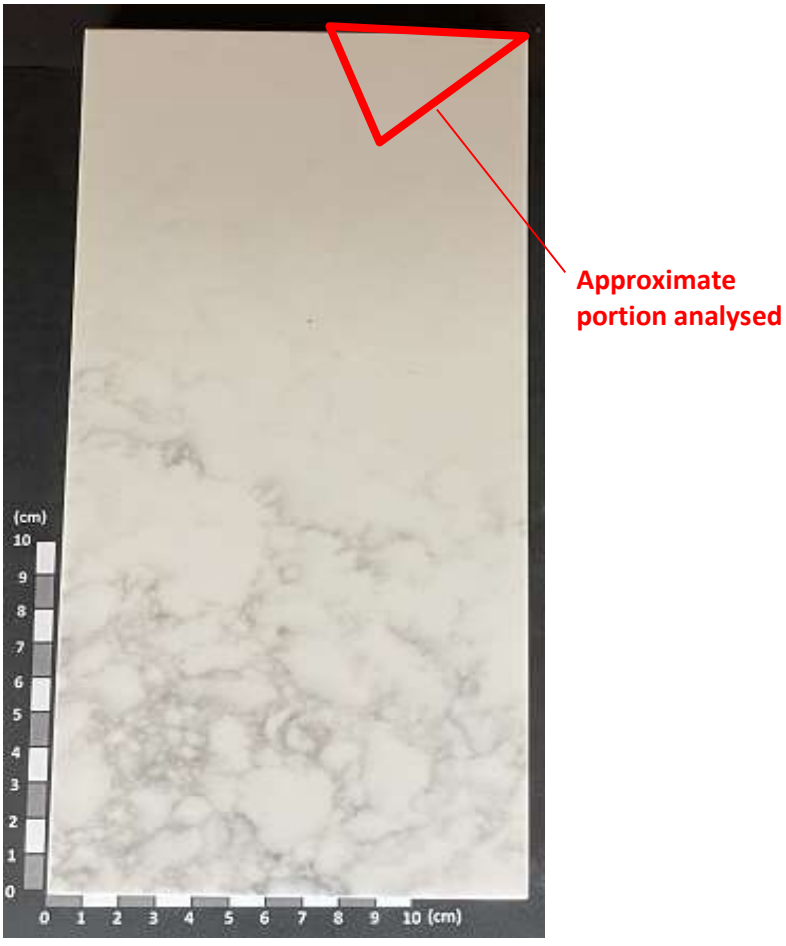
Report of Analysis for Crystalline Silica in Bulk Samples

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

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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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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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

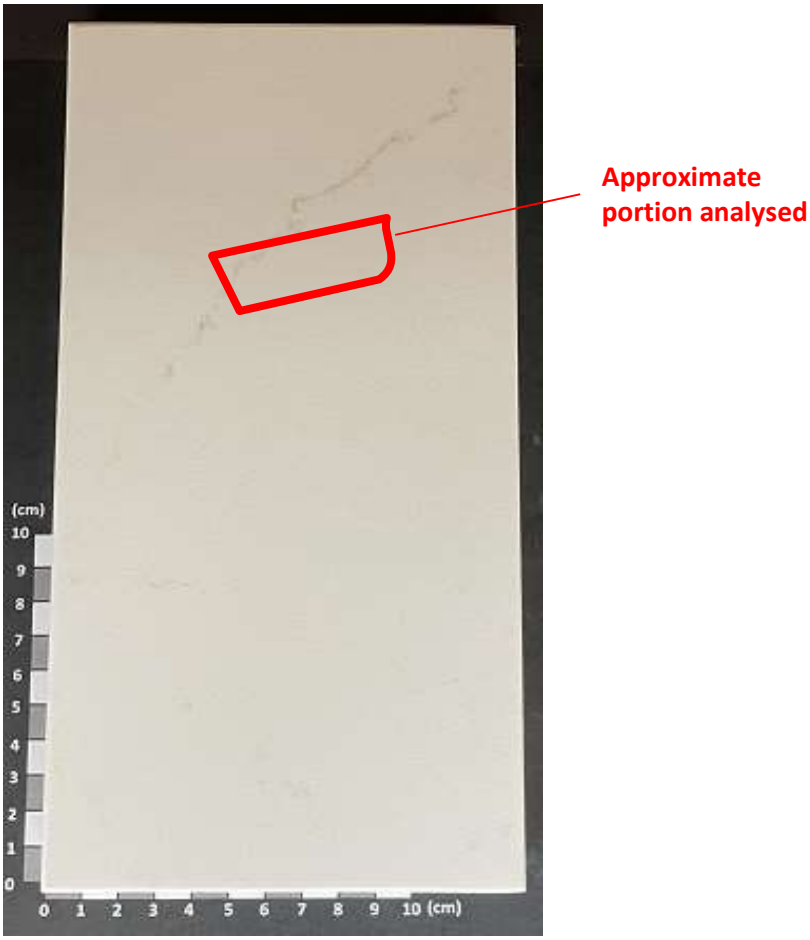
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 11/9/2024**

Reference number	**2024-2798-2**

Sample image



Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

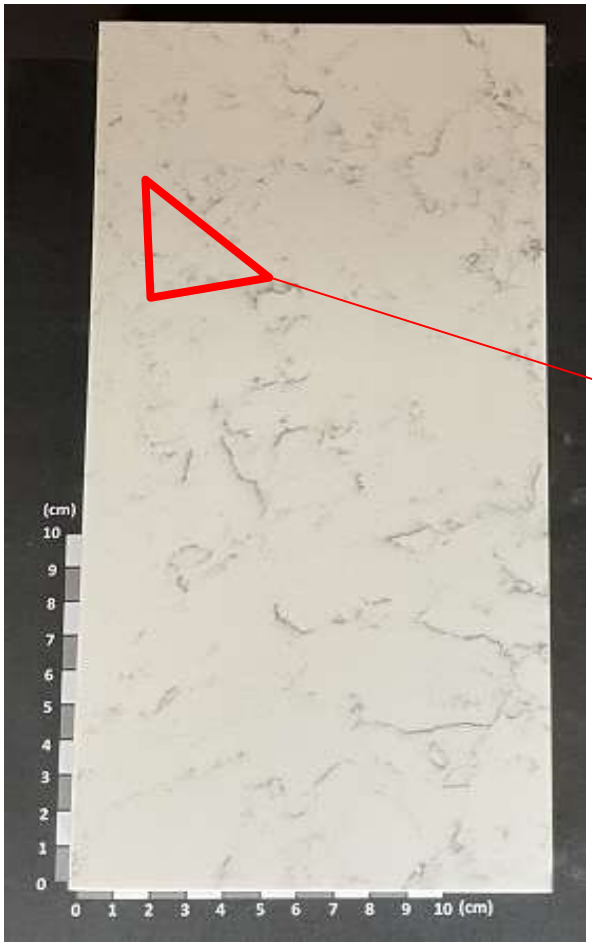
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 11/9/2024**

Reference number	**2024-2798-3**

Sample image



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.

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

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ABN 81 913 830 179

Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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 '±' 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

Accreditation No. 3726

Accredited for compliance with ISO/IEC 17025 - Testing

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

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ABN 81 913 830 179

Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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

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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

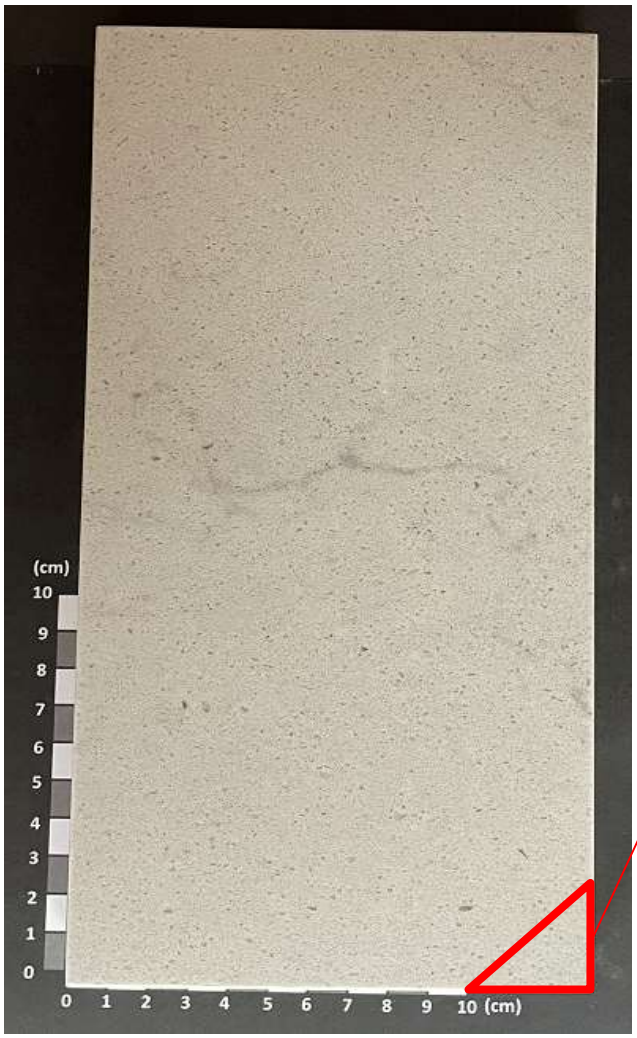
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 29/1/2025**

Reference number	**2024-4449-1**

Sample image



Accreditation No. 3726

Accredited for compliance with ISO/IEC 17025 - Testing

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

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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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

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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

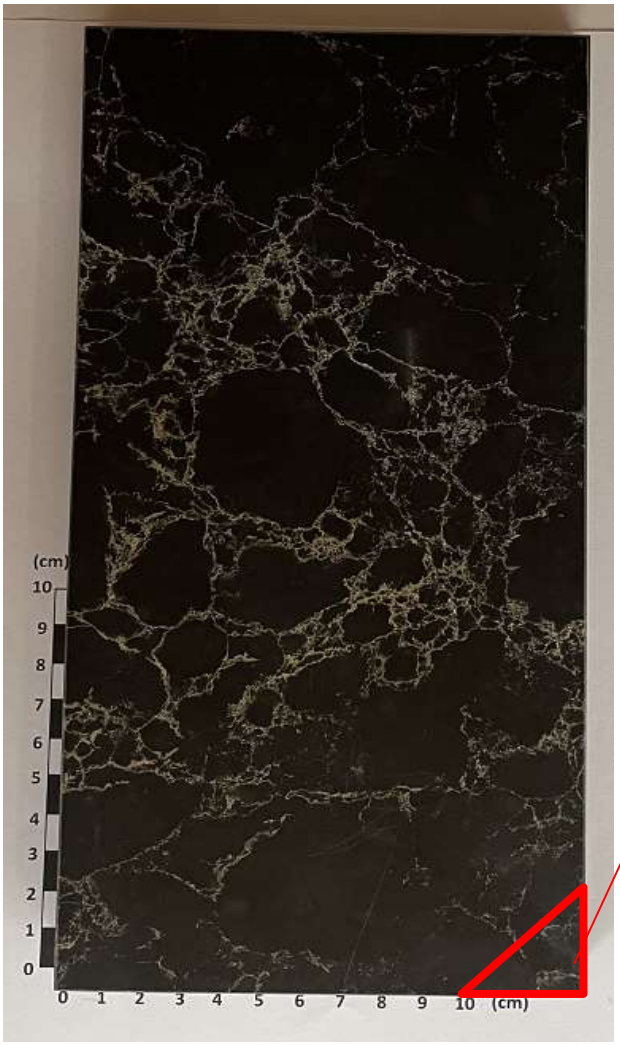
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 29/1/2025**

Reference number	2024-4450-1

Sample image



Accreditation No. 3726

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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.

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

Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 28/01/25

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Accreditation No. 3726
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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 '±' are followed by MU. The MU at LOR is 0.3%w/w.

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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

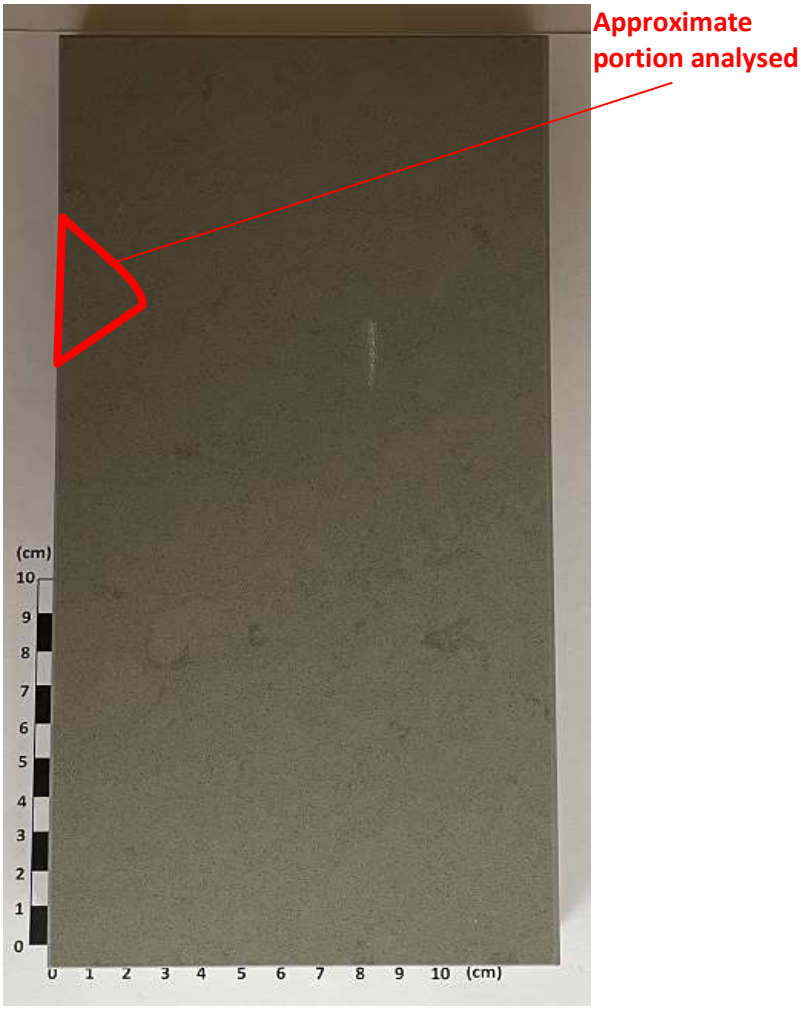
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 21/1/2025**

Reference number	**2024-4453-1**

Sample image



Accreditation No. 3726

Accredited for compliance with ISO/IEC 17025 - Testing

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.

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

Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 28/01/25

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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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

IMPORTANT INFORMATION
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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

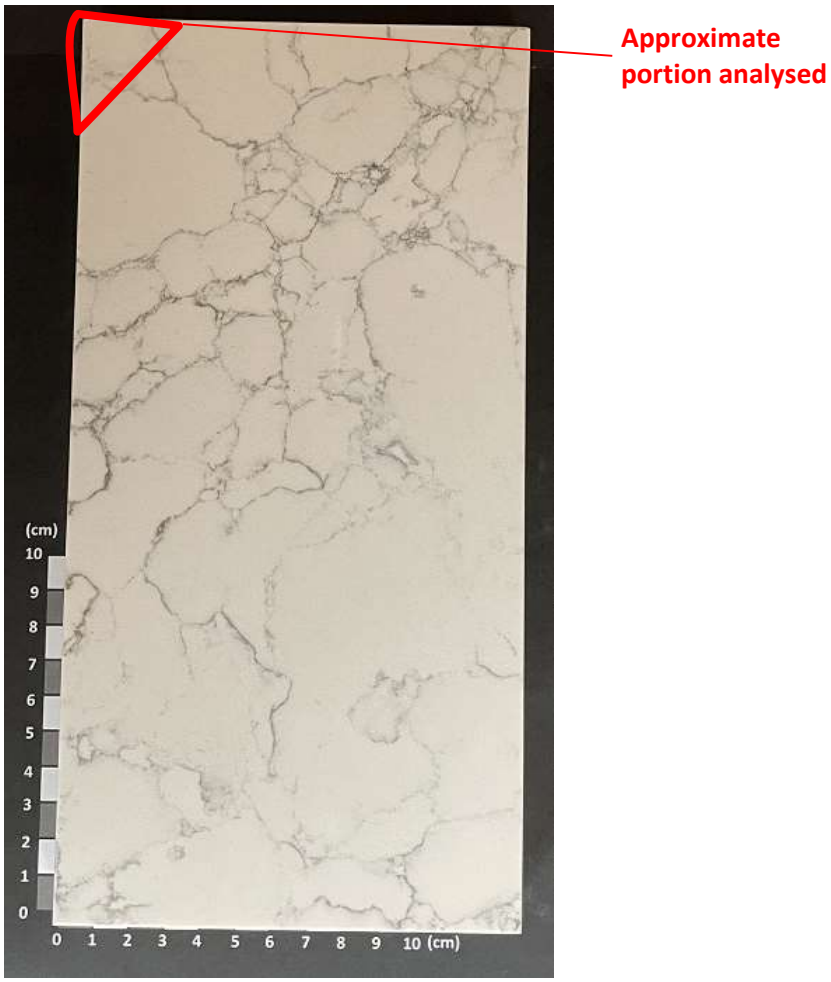
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 21/1/2025**

Reference number	**2024-4451-1**

Sample image



Accreditation No. 3726

Accredited for compliance with ISO/IEC 17025 - Testing

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

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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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

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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

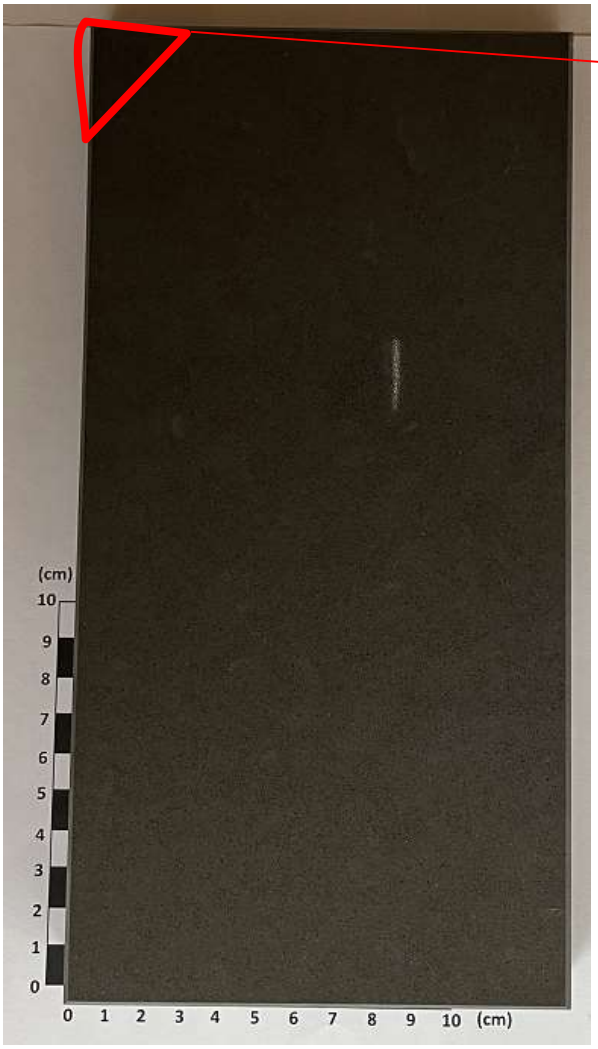
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 21/1/2025**

Reference number	**2024-4452-1**

Sample image



Accreditation No. 3726

Accredited for compliance with ISO/IEC 17025 - Testing

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.

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

Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 26/03/25

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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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.
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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

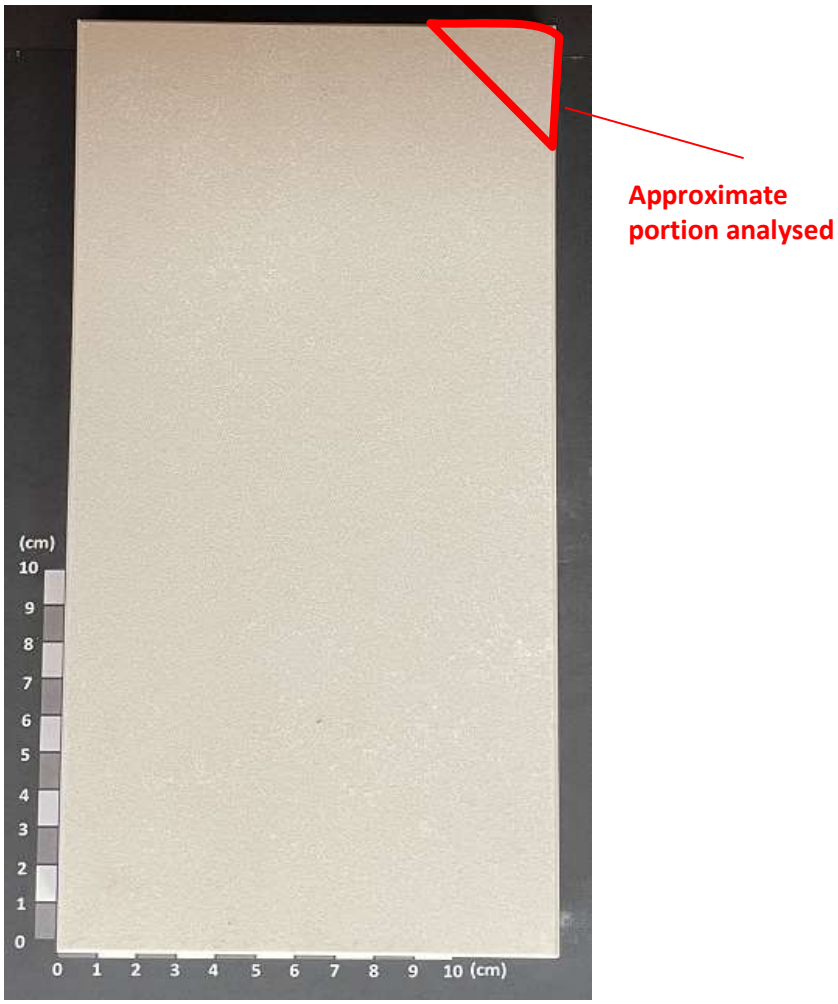
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 18/3/2024**

Reference number	**2024-5014-1**

Sample image



Accreditation No. 3726

Accredited for compliance with ISO/IEC 17025 - Testing

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

Accreditation No. 3726

Accredited for compliance with ISO/IEC 17025 - Testing

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

Accreditation No. 3726

Accredited for compliance with ISO/IEC 17025 - Testing

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

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Accreditation No. 3726
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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	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 '±' are followed by MU. The MU at LOR is 0.3%w/w.

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Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

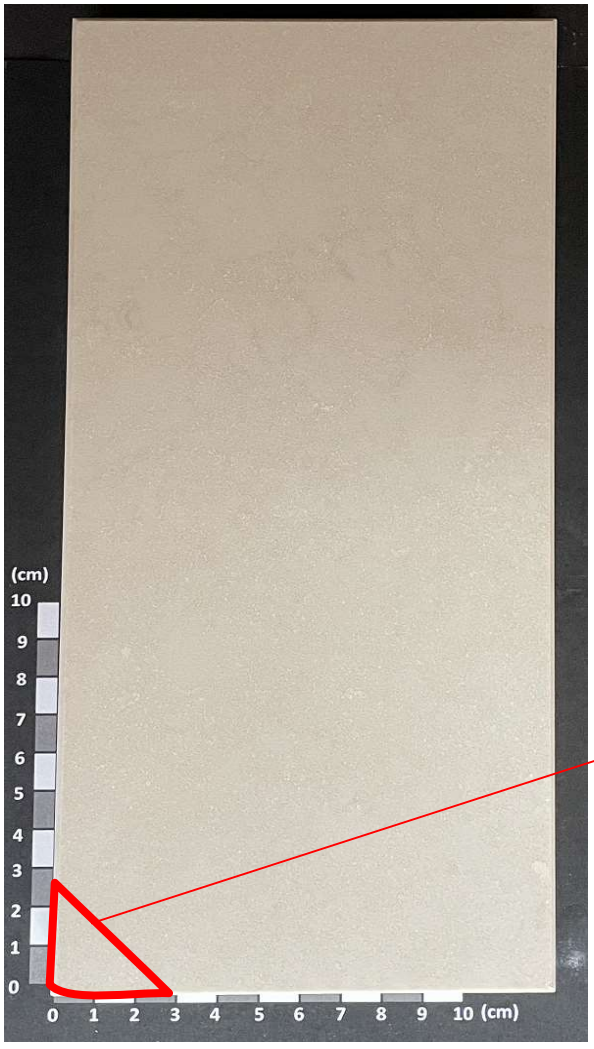
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 6/5/2025**

Reference number	**2025-0660-1**

Sample image



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

TestSafe Australia – Chemical Analysis Branch
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ABN 81 913 830 179

Accreditation No. 3726
Accredited for compliance with ISO/IEC 17025 - Testing

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

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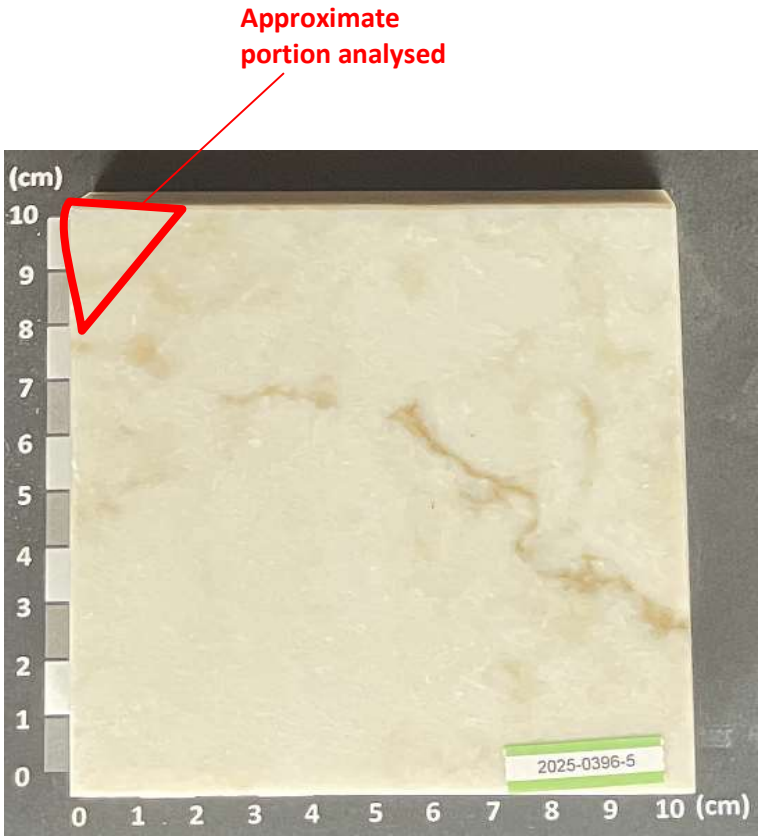
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 6/5/2025**

Reference number	**2025-0396-5**

Sample image



Accreditation No. 3726

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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.

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Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 19/05/25

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ABN 81 913 830 179

Accreditation No. 3726
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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	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 '±' are followed by MU. The MU at LOR is 0.3%w/w.

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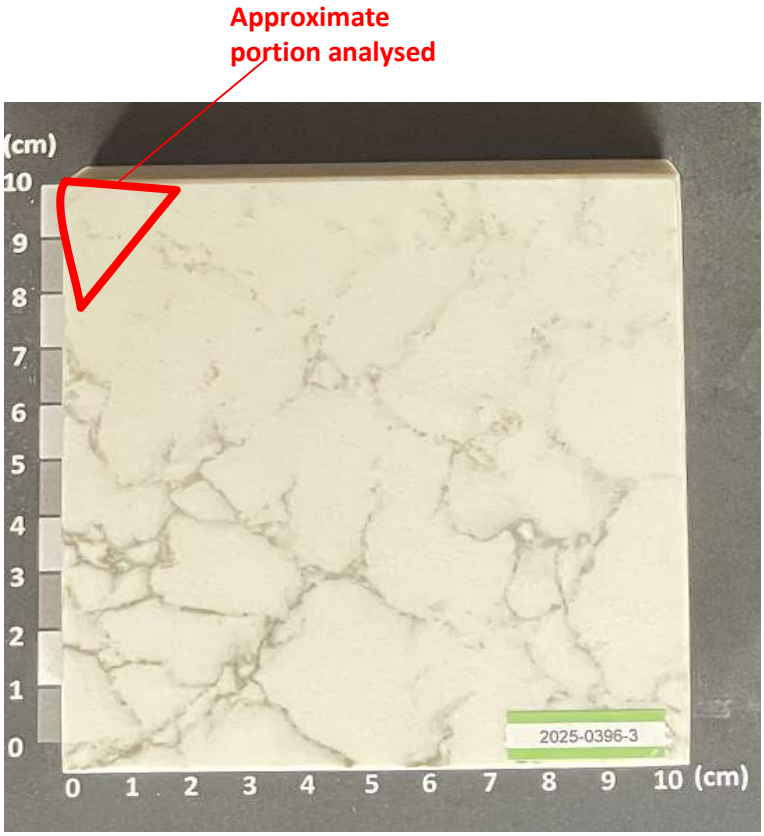
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 14/5/2025**

Reference number	**2025-0396-3**

Sample image



Accreditation No. 3726

Accredited for compliance with ISO/IEC 17025 - Testing

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.

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Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 19/05/25

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

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Accredited for compliance with ISO/IEC 17025 - Testing

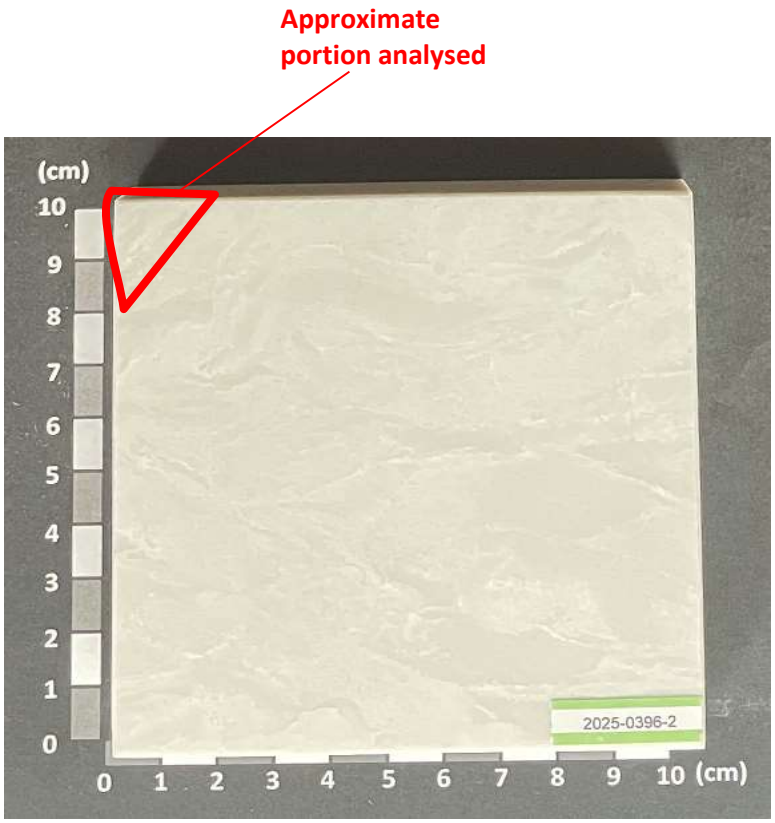
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 13/5/2025**

Reference number	**2025-0396-2**

Sample image



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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.

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Martin Mazereeuw
Manager Chemical Analysis Branch

Date: 9/05/25

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

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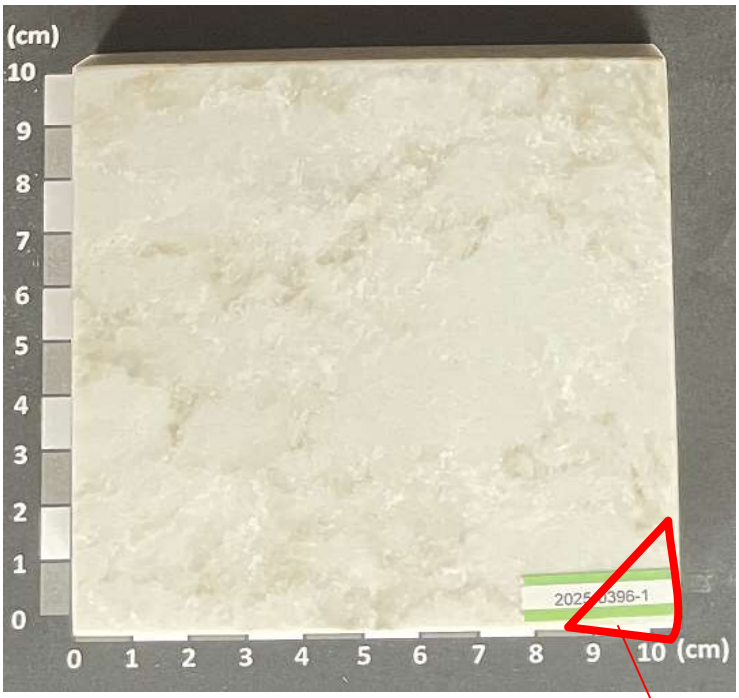
Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 6/5/2025**

Reference number	**2025-0396-1**

Sample image



Approximate portion analysed

SHARP & HOWELLS
CHEMICAL ANALYSIS & MATERIAL TESTING LABORATORY

A 46-54 Centre Way, Croydon South, VIC, 3136
T (03) 9850 9722
E lab@sharpandhowells.com.au
W sharpandhowells.com.au
ABN 26 004 782 996
NATA Accreditation No.: 61

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

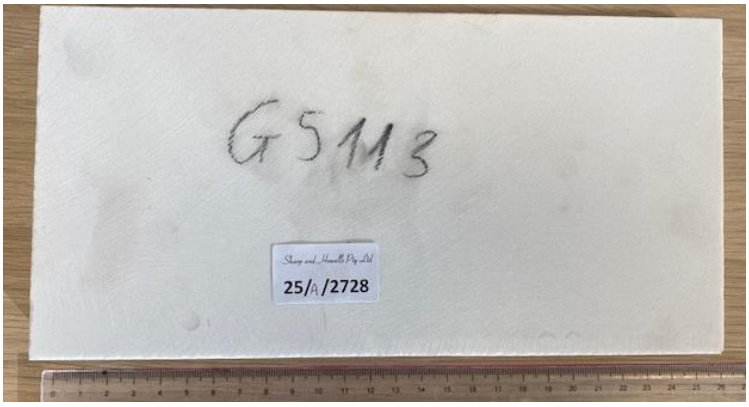
1. INSTRUCTIONS:

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 2Θ. A Ni Filter was used in the diffracted beam for elimination of Kbeta 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 "SiO_2" 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 SiO_2, % w/w:	(XRF)	61.5
Loss On Ignition (925°C), % w/w:	(LOI)	13.5
Synthetic Resin Present: *See Appendix A:*	(FTIR)	*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 %

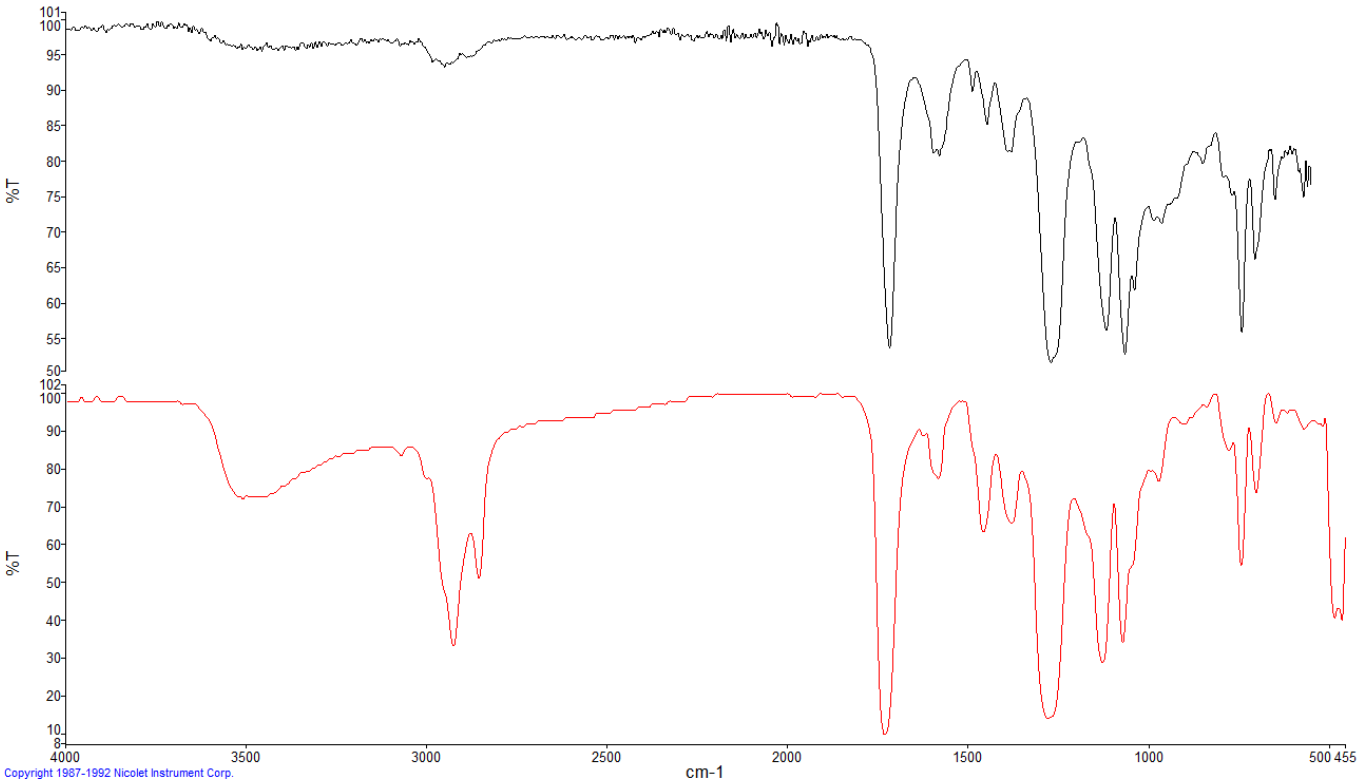
*1 As per the engineered stone definition in the Victorian Occupational Health and Safety (OHS) Regulations 2017.

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:

DCM Extractable Material (Resin):

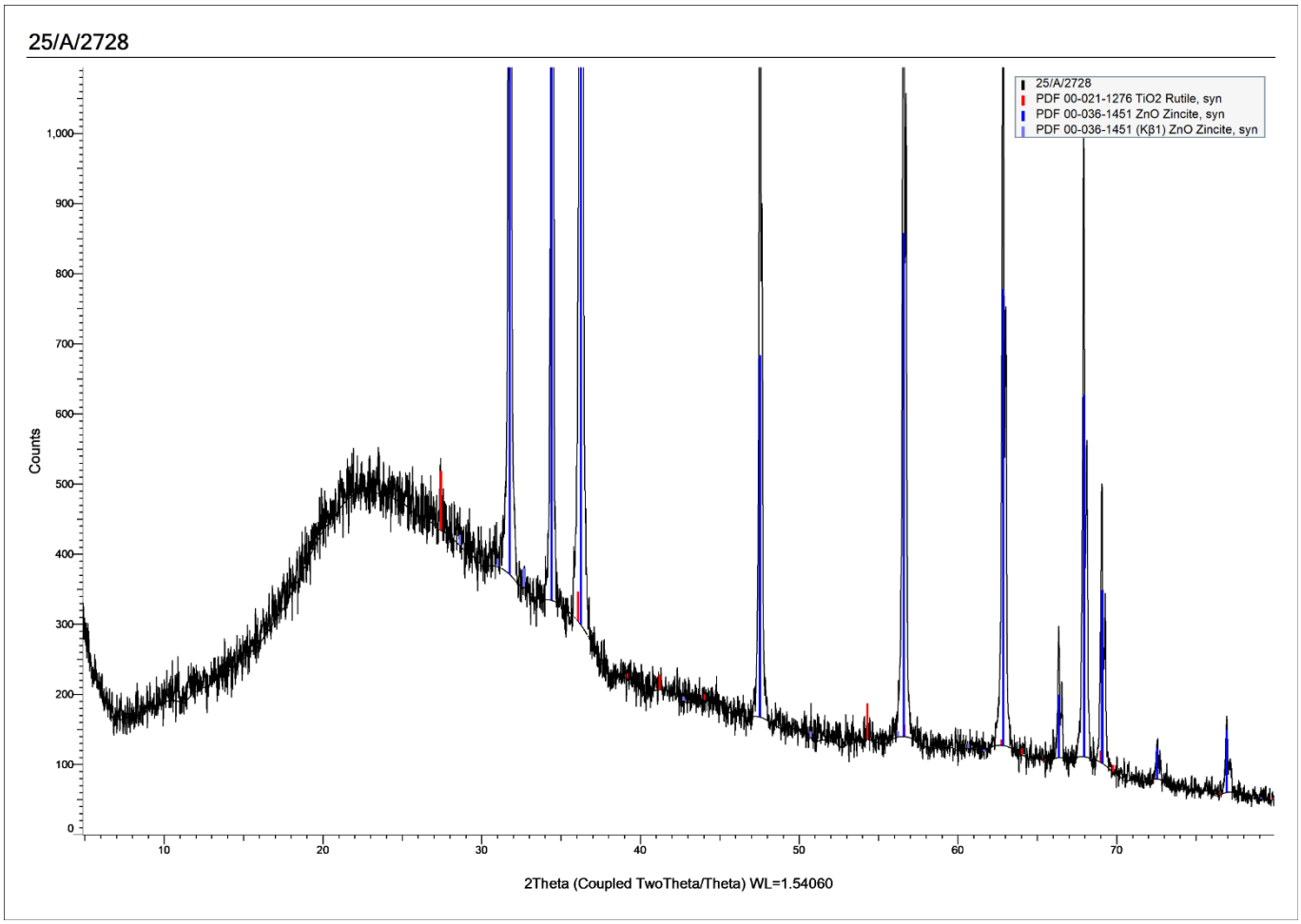


Spectrum 1:

Black -	**Solenna (Product Code 5113)**	25/A/2728
Red –	Polyester/Phthalate Resin	(Reference)

APPENDIX B – XRD SPECTRA:

Solenna (Product Code 5113)



NSW GOVERNMENT | SafeWork NSW

Test Safe AUSTRALIA

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

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ilac-MRA NATA

Accreditation No. 3726

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

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Report of Analysis for Crystalline Silica in Bulk Samples

Requested by: Kim Smith

Organisation: Caesarstone Australia **Date of Analysis: 16/6/2025**

Reference number	**2025-0774-1**

Sample image

Accreditation No. 3726

Accredited for compliance with ISO/IEC 17025 - Testing