



CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number: C145060

CAS Number: 22691-02-7

Product: Calcium Chloride Hydrate

Synonym: Calcium Chloride Hydrate; Calcium Chloride Hydrate; Calcium Dichloride Hydrate; Calcium(II) Chloride Hydrate

Structure:



Molecular Formula:

$\text{CaCl}_2 \cdot x[\text{H}_2\text{O}]$

Molecular weight:

$110.98 + x(18.02)$

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 23-JPO-65-1

Purity: N/A

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
Calcium Content	Report Result	25.87% by Ion Chromatography
FT-IR	Conforms to Structure	Conforms
Water Content	Report Result	31.2% by Karl Fischer
Chloride Content	Report Result	41.0%

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Christina Gouliaras	8/19/2022	8/17/2026