

Specification

Technical Data Sheet

CAS

3983-19-5

STORAGE

Ambient

MOLECULAR WEIGHT

162.11

PRODUCT

Calcium carbonate Food Grade

Product number 90035238

CAS number 3983-19-5

Molecular formula $\text{Ca}(\text{CO}_3\text{H})_2$

Molecular weight 162.11 g/mol

PARAMETER

SPECIFICATION

Loss on Drying

 $\leq 2\%$

pH

8.5-9.4

Bulk density

 $\approx 1.9\text{kg/l}$

Cadmium (Cd)

 $\leq 3\text{ppm}$ Calcium Carbonate (CaCO_3) ≥ 98.5

Degree of Whiteness (a, DOP)

 -0.9 ± 1.6

Degree of Whiteness (b, DOP)

9.0-15.0

Degree of Whiteness (L, DOP)

71.0-77.0

Fluoride (F-)

 $\leq 50\text{ppm}$

Granulometry

 $8.0 \pm 2.0\mu\text{m}$ Magnesium Carbonate (MgCO_3) $\leq 1\%$

Moisture

 ≤ 0.1

Oil Absorption

18% (CaCO_3)

Polymerisation

30% (CaCO_3)Sieve Analysis Retention (45 μm) ≤ 0.1 Specific surface area (m^2/g)

1.2- 1.6

PARAMETER	SPECIFICATION
Antimony (Sb)	≤100ppm
Arsenic (As)	≤3ppm
Barium (Ba)	≤100ppm
Chromium (Cr)	≤100ppm
Copper (Cu)	≤100ppm
HCl Insoluble Matter	≤0.2%
Lead (Pb)	≤3ppm
Magnesium and Alkali salts	≤
Zinc (Zn)	≤100ppm

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

Reg No 6879903 VAT GB 744 9721 05