



# PRODUCT TECHNICAL DATA SHEET

## LAFARGE GROUND CALCIUM CARBONATE

### GCC

#### Product Description

Lafarge Ground Calcium Carbonate (GCC), is made from natural carbonate mineral stone after grinding. Lafarge GCC is made from limestone rock composed mainly of Calcium Carbonate ( $\text{CaCO}_3$ ) occurring as calcite and is very pure with  $\text{CaCO}_3$  greater than or equal to 92%. Lafarge Ground Calcium Carbonate, produced from natural high purity limestone, it is finely milled to obtain a specific particle size, making it suitable for various applications.

#### Versatility

Lafarge Ground Calcium Carbonate (GCC) is a versatile and plays a crucial role in several industries, including construction, agriculture, food, pharmaceuticals, and cosmetics.

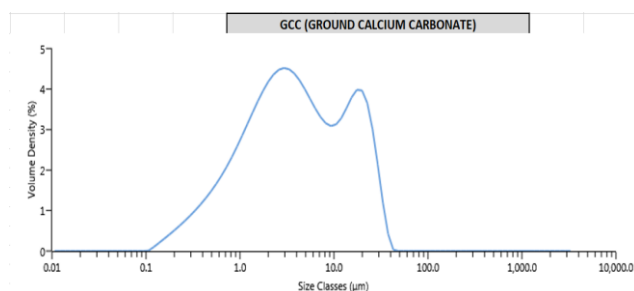
#### Chemical Description

$\text{CaCO}_3\%$	$\text{CaO}\%$	$\text{SiO}_2\%$	$\text{Al}_2\text{O}_3\%$	$\text{Fe}_2\text{O}_3\%$	$\text{MgO}\%$	$\text{SO}_3\%$	$\text{Na}_2\text{O}\%$	$\text{K}_2\text{O}\%$	LOI%
≥92	≥52.04	8.77	1.89	1.70	1.71	0.71	0.01	0.13	38.08

#### Physical Description

Grading	Size (μm)	0.0995	0.113	0.128	0.146	0.166	0.188	0.214	0.243	0.276	0.314	0.357	0.405	0.46	0.523	0.594	0.675
	% Volume	0	0.08	0.17	0.25	0.34	0.43	0.52	0.62	0.73	0.84	0.96	1.09	1.23	1.38	1.55	1.73
	Size (μm)	0.767	0.872	0.991	1.13	1.28	1.45	1.65	1.88	2.13	2.42	2.75	3.12	3.55	4.03	4.58	5.21
	% Volume	1.93	2.15	2.38	2.62	2.86	3.09	3.3	3.49	3.64	3.74	3.78	3.75	3.66	3.52	3.34	3.14
	Size (μm)	5.92	6.72	7.64	8.68	9.86	11.2	12.7	14.5	16.4	18.7	21.2	24.1	27.4	31.1	35.3	40.1
	% Volume	2.94	2.76	2.63	2.57	2.6	2.73	2.94	3.17	3.33	3.33	3.07	2.54	1.79	0.98	0.32	0

Parameters	Typical Content
Density g/cm <sup>3</sup>	2.75
Specific Surface Area m <sup>2</sup> /Kg	858
Particle Refractive Index	1.6
Dispersant Refractive Index	1
Moisture %	0.47
Methylene Blue(g/100g)	0.3



#### Advantage

The LAFARGE Ground Calcium Carbonate GCC advantage includes:

- Excellent  $\text{CaCO}_3$  purity Suitable for various application
- Super fine particle size
- Easy and versatile to use

## USES

- Agricultural uses in soil conditioning, fertilizers and animals feed
- As filler material in paints, rubber, paper, ceramics and floor tiles.
- Used for PVC wire and cable
- Used as adhesives, ink, coating and degradable plastics
- Readymix, Precast and Asphalt plant use for daily productions

## Packaging

Available in 25Kg, 1000Kg bags and 30 tons bulk tanker.

## Handling and Storage

Keep out of reach of children! Do not take internally. Use only with adequate ventilation. Ensure fresh air entry during application and drying. Do not breathe dust. To be stored properly in cool and dry conditions at temperatures between +15°C and +35°C. Protect from direct sunlight and humidity.

*For professional use only, the user is advised to conduct tests and assessments in order to define the suitability of the product for the intended application.*

For Information:

**Technical Assistance**

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