

# ELLITE COLORANTS AND ADDITIVES LLP

## Calcium Carbonate: AC20

### Technical Data Sheet

#### PRODUCT INFORMATION:

This is a high brightness Calcium Carbonate powder manufactured from high purity, very white limestone.

#### RAW MATERIAL PHYSICAL PROPERTIES:

CaCO <sub>3</sub>	99.5%	CaO	55.91%
MgCO <sub>3</sub>	0.30%	SiO <sub>2</sub>	0.09%
Fe <sub>2</sub> O <sub>3</sub>	0.01%	Al <sub>2</sub> O <sub>3</sub>	0.04%
HCl insoluble content	0.20%	MgO	0.05%
Cr <sub>2</sub> O <sub>3</sub> (PPM)	4- 5 Max	L.O.I	43.64%

#### PRODUCT PHYSICAL PROPERTIES:

##### **FINENESS:**

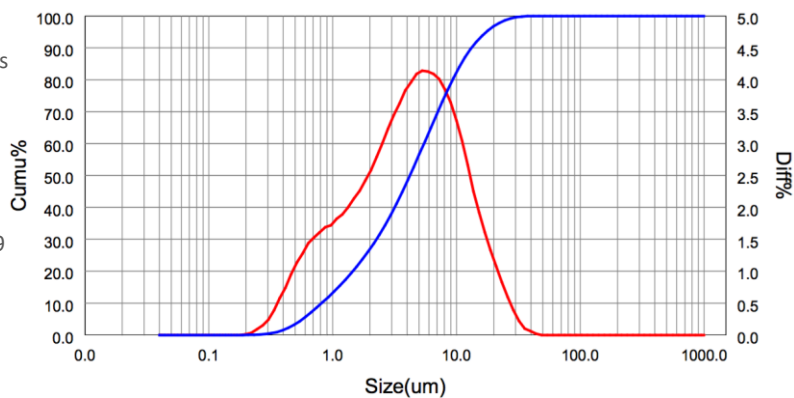
Residue on a 45 Microns sieve (ISO 787/7)	0.01%
Top cut (d97%)	20-21 Microns
Mean particle size (d50%)	4-5 Microns
Particles < 2 Microns	28 %

##### **WHITENESS:**

Brightness (Ry, C/2, DIN 53163)	97.00%
Brightness CIE L*, a*, b* (DIN 6174)	98 / 0.18 / 0.9
Moisture ex works (ISO 787/2)	0.40%

##### **GENERAL PRODUCT DATA:**

Loose bulk density	0.7 g/ml
pH value (ISO 787/9)	9
Oil absorption (ISO 787/5)	17 g/100g
VO absorption (ISO 787/5)	18 g/100g



#### RECOMMENDED APPLICATIONS:

- Plastics
- Powder coating
- Water based decorative paints
- Wall putties
- Solvent based decorative paints