

# ELLITE COLORANTS AND ADDITIVES LLP

## Calcium Carbonate: AC13

### Technical Data Sheet

#### PRODUCT INFORMATION:

AC13 is a high whiteness calcium carbonate with a medium particle size, good gloss and excellent dispersion characteristics. AC13 is milled and classified to  $13 \pm 1$  microns.

#### 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:

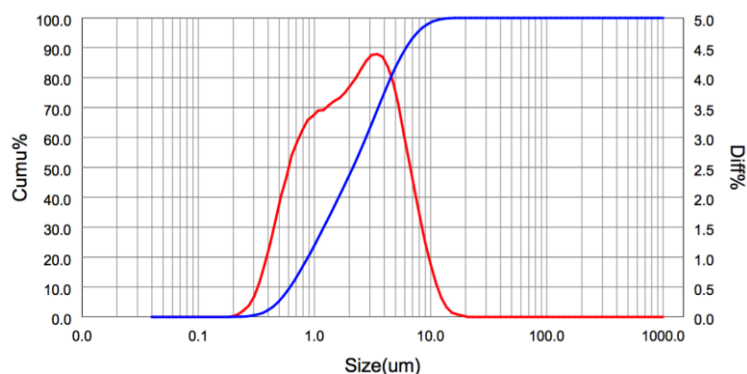
Residue on a 45 Microns sieve (ISO 787/7)	0.01%
Top cut (d97%)	13±1 Microns
Mean particle size (d50%)	2.5-3 Microns
Particles < 2 Microns	38% - 40%

##### 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:

- Inks
- water based decorative paints
- Solvent based decorative paints
- rubber moldings