



## TECHNICAL DATA SHEET

### Emerald

<b>Description</b>	A green free flowing powder
<b>Pigment Type</b>	Platelets of mica coated with titanium dioxide, iron oxide and ferric ferrocyanide
<b>INCI Name</b>	Mica (and) Titanium Dioxide (and) CI 77491 (and) CI 77510

Chemical Composition	By weight (%)	CAS	CI Number	Einecs
Mica	33-51	12001-26-2	77019	310-127-6
TiO <sub>2</sub>	46-57	13463-67-7	77891	236-675-5
Red Iron Oxide	2-6	1309-37-1	77491	215-168-2
Ferric Ferrocyanide	1-4	14038-43-8	77510	237-875-5

Trace Elements	Value max.	Unit
<b>Antimony (Sb)</b>	2	ppm
<b>Arsenic (As)</b>	1	ppm
<b>Cadmium (Cd)</b>	1	ppm
<b>Chromium (Cr)</b>	100	ppm
<b>Copper (Cu)</b>	50	ppm
<b>Lead (Pb)</b>	10	ppm
<b>Mercury (Hg)</b>	1	ppm
<b>Nickel (Ni)</b>	200	ppm
<b>Zinc (Zn)</b>	50	ppm

	Specification	Unit
<b>PH</b> (10 % aqueous solution)	6-9	pH
<b>Particle size</b> (90 % within the range)	10-60	µm
<b>Loss on drying</b> (105 °C)	< 0,5 %	%



	<b>Specification</b>	<b>Unit</b>
<b>Density</b> (g/cm <sup>3</sup> )	2,8–3,4	g/cm <sup>3</sup>
<b>Oil Absorption</b>	50–80	g/100 g
<b>Total amount of bacteria</b>	< 100	cfu/g
<b>Yeast and Mould</b>	< 100	cfu/g
<b>Pathogens</b>	negative	
<b>Color/Luster</b>	visual	

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