



## TECHNICAL DATA SHEET

### Garnet

<b>Description</b>	A red-pink free flowing powder			
<b>Pigment type</b>	Platelets of mica coated with titanium dioxide, iron oxide and carmine			
<b>INCI Name</b>	Mica (and) Titanium Dioxide (and) CI 77491 (and) CI 75470			
<b>Chemical Composition</b>	<b>By weight</b>	<b>CAS No.</b>	<b>CI Number</b>	<b>Einecs</b>
Mica	52–66 %	12001-26-2	77019	310-127-6
Titanium Dioxide	33–43 %	13463-67-7	77891	236-675-5
Red Iron Oxide	0,6–3 %	1309-37-1	77491	215-168-2
Carmine	0,3–2,4 %	1390-65-4	75470	215-724-4
<b>Trace Elements</b>	<b>Lead (Pb)</b>	10.0 ppm	max.	
	<b>Arsenic (As)</b>	1.0 ppm	max.	
	<b>Mercury (Hg)</b>	1.0 ppm	max.	
	<b>Antimony (Sb)</b>	2.0 ppm	max.	
<b>pH (10 % aqueous solution)</b>	6–9			
<b>Density</b>	2,8–3,4 g/cm <sup>3</sup>			
<b>Bulk density</b>	22–28 g /100 g			
<b>Oil Absorption</b>	50–80 g /100 g			
<b>Particle size</b>	10–60 µm (90 % within the range)			
<b>Loss on drying</b>	0–0,5 % (105 °C)			
<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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