

Bismuth Aluminate

30.07.07

Nomenclature	Aluminum Bismuth Oxide Almuth Bisminat Bismutum Aluminicum																						
Formula	$\text{Bi}_2(\text{Al}_2\text{O}_4)_3 \times 10 \text{H}_2\text{O}$																						
CAS Number	12284-76-3																						
Description	Yellowish, amorphous powder, odorless.																						
Specifications	<table><tr><td>Bismuth (Bi)</td><td>42.0 – 46.0 %</td></tr><tr><td>Aluminum (Al)</td><td>16.0 – 18.0 %</td></tr><tr><td>Nitrate (NO₃)</td><td>max. 3.0 %</td></tr><tr><td>Loss on drying</td><td>max. 3.0 %</td></tr><tr><td>Alkalies</td><td>max. 1.0 %</td></tr><tr><td>Sulphate (SO₄)</td><td>pass test</td></tr><tr><td>Chloride (Cl)</td><td>pass test</td></tr><tr><td>Copper (Cu)</td><td>pass test</td></tr><tr><td>Lead (Pb)</td><td>pass test</td></tr><tr><td>Silver (Ag)</td><td>pass test</td></tr><tr><td>Arsenic (As)</td><td>max. 0.5 ppm</td></tr></table>	Bismuth (Bi)	42.0 – 46.0 %	Aluminum (Al)	16.0 – 18.0 %	Nitrate (NO ₃)	max. 3.0 %	Loss on drying	max. 3.0 %	Alkalies	max. 1.0 %	Sulphate (SO ₄)	pass test	Chloride (Cl)	pass test	Copper (Cu)	pass test	Lead (Pb)	pass test	Silver (Ag)	pass test	Arsenic (As)	max. 0.5 ppm
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Arsenic (As)	max. 0.5 ppm																						
Typical Properties	Solubility: Insoluble in water. Bulk density-tapped: appr. 0.69 g/cm ³ Molecular Weight: 952																						
Container	25 kg Fiber Drum																						

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