



LONG RAKE SPAR CO. LTD.

Established 1867

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Technical Data Sheet

Product Name	1-4mm Amber Gold	Shape	Mainly smoothed angular
Description	Washed, dried and graded gold, cream, brown coloured granules of flints and quartzites.	Petrology	Flints and quartzite

Chemical Analysis (Typical)

Element	%
Aluminium (Al ₂ O ₃)	
Calcium (CaO)	
Calcium Carbonate (CaCO ₃)	
Iron (Fe ₂ O ₃)	
Magnesium (MgO)	
Magnesium Carbonate (MgCO ₃)	
Manganese (MnO)	
Phosphorus (P ₂ O ₅)	
Potassium (K ₂ O)	
Silica (SiO ₂)	
Sodium (Na ₂ O)	
Sulphate (SO ₃)	
Titanium (TiO ₂)	
Loss on Ignition	

Grading Analysis

Sieve Size (mm)	% Retained	% Passing	Range
28			
20			
14			
10			
6.3			
4.75		97	
3.35		62	
2.36		25	
1.18		3	
0.60		0.2	
0.30			
0.212			
0.15			
0.075			

Physical Analysis

Property	Value
Aggregate Abrasion Value AAV	1
Aggregate Crushing Value ACV	20
Aggregate Impact Value AIV	20
Hardness (Mohs)	7
Magnesium Sulphate Soundness (%)	
Polished Stone Value (3mm) PSV	50-55 Est.

Property	Value
Relative Density (Oven Dried) OD	
Relative Density (Sat. Surface Dried) SSD	2.51
Relative Density (Apparent) AP	
Water Absorbtion (% by weight)	
10% Fines Value (Kn)	2.7
Risk of Iron Staining (Estimate only) RIS	<5
Code: Som	

