



**Talc Grade: AHR1**

## Afghan Raw Talc Lumps Test Report

### Chemical Parameters

Test	Method	Unit	Result
Silicon dioxide (SiO <sub>2</sub> )	ED-XRF	%	62.8
Magnesium oxide (MgO)		%	30.9
Aluminum oxide (Al <sub>2</sub> O <sub>3</sub> )		%	0.24
Ferric oxide (Fe <sub>2</sub> O <sub>3</sub> )		%	0.14
Calcium oxide (CaO)		%	0.28
Calcium carbonate (CaCO <sub>3</sub> )		%	0.62
Manganese (II) oxide (MnO)		%	0.02
Loss on ignition (LOI)		%	4.5-5.5

### Physical Parameters

Test		Result
Color Test	L	> 98+%
	a	-0.06
	b	< 0.65
	Ry	> 95%

### Asbestos Test

Sl. No.	Tested Mineral	Morphology	Total Slide Score	Result
1	Tremolite asbestos (CAS No. 77536-68-6)	No straight-to-curved fibers and bundles observed	ND	No known species of asbestos minerals are present
2	Actinolite asbestos (CAS No. 77536-66-4)		ND	
3	Anthophyllite asbestos (CAS No. 77536-67-5)		ND	
4	Chrysotile asbestos (CAS No. 12001-29-5)	No wavy fibers observed	ND	
5	Amosite asbestos (CAS No. 12172-73-5)	No straight-to-curved, rigid fibers observed	ND	
6	Crocidolite asbestos (CAS No. 12001-28-4)		ND	

Note: The above values are extruded from 800 mesh size and are subject to +/- 1%.