

PRODUCT SPECIFICATION SHEET

Talcum Powder, USP Grade

Product Specifications (CAS RN: 14807-96-6)

Test	Specification	Typical Results
Description	Very fine, white or greyish-white, crystalline powder. Is unctuous, adheres readily to the skin, and is free from grittiness.	Complies
Identification A: IR Absorption	To comply the test	Complies
Identification B: Chemical Test	To comply the test	Complies
Identification C: Reaction of Silicates	To comply the test	Complies
Impurities A: Water insoluble substances	Maximum 0.1% (5mg)	0.04%
Impurities B: Acid insoluble substances	NMT 2.5%	<2.5%
Impurities C: Iron	Max 0.25%	<0.25
Impurities D: Arsenic	NMT 3 ppm	<3 ppm
Impurities E: Extractable fluoride	NMT 0.002%	<0.002%
Impurities F: Free Alkali	NMT 1%	<1%
Impurities G: Heavy metals	NMT 0.004%	<0.004%
Impurities H: Lead	Maximum 10 ppm	<10 ppm
Impurities I: Calcium	Maximum 0.9%	0.32%
Impurities J: Aluminum	Maximum 2.0%	<2.0%
Loss on Drying (LOD)	Not more than 0.5%	0.2%
Loss on Ignition (LOI)	Not more than 6.0%	5.85%
Content of Magnesium	17.0 to 19.5%	17.92%
Absence of Asbestos	By IR spectrum	Complies
Microbial Contamination by Topical Administration A:	TAMC is less than 100 cfu/gm	30 cfu
Microbial Contamination by Topical Administration B:	TYMC is less than 50 cfu/gm	10 cfu
Microbial Contamination by Oral Administration A:	TAMC is less than 1000 cfu/gm	30 cfu
Microbial Contamination by Oral Administration B:	TYMC is less than 100 cfu/gm	10 cfu
Solubility	Practically insoluble in water, in ethanol (96%) and in dilute acids and alkali hydroxides.	Complies

Appropriate/legal use of this product is the responsibility of the user.

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