

Magnesium Sulfate (Epsom salt) USP

INCI Name: Magnesium Sulfate

CAS Numbers: 7487-88-9



Description:

Magnesium sulfate is a naturally occurring pure mineral compound of magnesium and sulfate. Long known as a natural remedy for a number of ailments, Epsom salt has numerous health benefits as well as many beauty, household and gardening-related uses. Studies have shown that magnesium and sulfate are both readily absorbed through the skin. Magnesium plays a number of roles in the body including regulating the activity of over 325 enzymes, reducing inflammation, helping muscle and nerve function and helping to prevent artery hardening. Sulfates help improve the absorption of nutrients, flush toxins and help ease migraine headaches.

Technical Data:

Method	Characteristic	Lower Limit	Upper Limit
Visual	Appearance	crystal, small white	
ESAP 0260	Boron (PPM)		≤15.00
Current USP	Chloride as Cl (PPM)		≤140.00
Current USP	Heavy Metals as Pb		<10 ppm
Current USP	Iron		<20 ppm
Current USP	Loss on Ignition (%)	40.00	52.00
Current USP	Mg ²⁺ ID	pass	pass
Current USP	MgSO ₄ Anhyd. (ignited basis) %	99.00	100.50
Current USP	pH 5% Solution	5.00	9.20
Current USP	Selenium (USP limit 30 ppm)		<30 ppm
Current USP	SO ₄ - ID	pass	pass

Applications:

Uses include relaxing the nervous system, curing skin problems, soothing back pain and aching limbs, easing muscle strain, healing cuts, treating cold and congestion, and drawing toxins from the body. A simple way to ease stress and stress-related problems is to soak in a tub full of hot water with Epsom salts.



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