



The Soap Kitchen
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CERTIFICATE OF ANALYSIS

PRODUCT NAME: Epsom Salts, FFC Grade

K+S Order No.:	7100238777	K+S Batch No.:	2122000020
Delivery /-Item No.:	7200550395 / 000010	Manufact. Date:	2022-01-26
Quantity:	24 TO	Date of minimum durability:	2027-01-26
Loading date:	2022-02-09	K+S Specification:	74961 359-2 (S02)
Cust. Order No.:	PO-55026795		

General information:

Manufacturer's address: Bertha-von-Suttner-Str. 7, 34131 Kassel, Germany

Manufacturing site's address: Hattorfer Str., 36269 Philippsthal, Germany

Chemical Name: Magnesium Sulphate Heptahydrate

Characters: colorless crystal or a granular crystalline powder

Solubility: readily soluble in water, slowly soluble in glycerine, and sparingly soluble in alcohol

Parameter	Method of Analysis	Result	Specification
Assay (Dried Basis)	calculated	99.8 %	>= 99.5 %
Loss on Ignition	gravimetry	50.7 %	40.0 .. 52.0 %
Identity Reaction	ICP - AES	corresponds	o.K.
Lead *)	DIN EN ISO 17294-2 (MgSO ₄)	<4 mg/kg	<= 4 mg/kg
Selenium *)	DIN EN ISO 17294-2 (MgSO ₄)	<30 mg/kg	<= 30 mg/kg
Magnesium Sulphate	calculated	49.2 %	%
Sodium	ICP - AES	0.003 %	%
Potassium	ICP - AES	0.044 %	%
Calcium	ICP - AES	0.001 %	%
Chloride	volumetry	0.006 %	%

*) not tested on each batch