CERTIFICATE OF ANALYSIS

Product	:	**MANGANESE SULFATE monohydrate**
Product number	:	M0514
Batch number	:	010434
Date of production	:	xx-02-2014
Date of analysis	:	xx-02-2014
Date of expiry	:	28-02-2019
Packaging and storage	:	store at room temperature in a well-closed container

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	crystalline powder	complies		
Colour	light pink	light pink		
Identification	conform	complies		
Solubility	soluble in water			750 g/l / 20°C
Substances not precipitated by ammonium sulfide	≤ 0.5	< 0.5	%	
Loss on ignition	10.0 – 13.0	11.9	%	450 °C
Assay	≥ 98	98.5	%	
Microbiology:				
- Total aerobic count (TAMC)	≤ 2000	< 2000	CFU/g	
- Yeasts, moulds count (TYMC)	≤ 200	< 200	CFU/g	

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved
Released by: drs. M. van Wissen, pharmacist
Department of Quality Control Duchefa B.V.

Date: 15-05-2014



The buyer is responsible to test each batch to ensure the product is suitable for its specific purpose.

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