

Certificate of Analysis

BENSERAZIDE HYDROCHLORIDE

Material no:	10019457	Date of issue:	21-May-2010
Batch no:	SI10048059	Date of Manufacture:	22-Apr-2010
Analysis no:	07464409		
		Batch size:	323.320 KG
Place of Manufacture / Supplier: DSM NUTRITIONAL PRODUCTS, SISSELN, SWITZERLAND			

Test	Result
Appearance	powder with small grains
Colour	almost white
Identity	corresponds
Clarity of a sol. 1 perc. (m/V)	
in H ₂ O	clear
in H ₂ O (FTU)	0.4 FTU
Colour of a sol. 1 perc. (m/V)	
in H ₂ O	BY7 Ph. Eur.
pH of a sol. 1 perc. (m/V)	
in H ₂ O	4.5
Optical rot.	
589 nm , 20°C , c=1.0 (m/V) in H ₂ O	0.00 °
UV-absorption in 0.1N HCl	
Max. wave length	271.7 nm
A (1 perc.,1cm)	32.7
A (1 perc.,1cm) at 291nm	1.74
VIS-absorption in H ₂ O	
A (1 perc.,1cm) at 430nm	0.000
Water	0.7 %
Residual solvent ethanol	1886 ppm
Residual solvent	
methanol	nd<100 ppm
Residual solvent cyclohexane	nd<100 ppm
Sulphated ash	0.01 %
Heavy metals	<20 ppm
Related subs.	



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Test	Result
RO0041419-000	0.11 %
RO0045066-001	nd<0.05 %
RO0081580-001	0.28 %
Not identified impurities	
Unknown Impurities	each<0.05 %
Total all imp without RO0041419-000	0.3 %
Thin layer chromatography	passes test
Assay	
(anhydrous and solvent-free)	99.8 %

This batch was analysed and released on May 20, 2010 by our authorised Quality Control and Assurance Department and was found to meet the specifications.

F. HOFFMANN-LA ROCHE LTD

F. Hoffmann-La Roche Ltd.

Basel, Switzerland
Dr. Markus Boutellier