

Please note that the certificates of analysis are also conveniently available online and around the clock at [www.online-services.btc-europe.com](http://www.online-services.btc-europe.com)

Fax No 00420227230616

Expirace: 2020-06-09

2016-06-09

BTC QM

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Certificate No 1460

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### Certificate of Analysis according to DIN 55350-18-4.2.2

THIAMINE MONONITRATE

5KG Fibreboard Boxes

Purchase Order/Customer Product#

248/2016

Material	50371561
Order	3012414424 000020
Delivery	3096355196 000010
Lot	TN15072080
Lot/Qty	5.000 KG
Total	5.000 KG
Transport	0000000000598076290

Characteristic Method	Unit	Value	Lower Limit	Upper Limit
Appearance		white crystalline powder		
Appearance		white crystalline powder		
Identification (Ph. Eur., USP)		conforms		
Appearance of solution		Clear, not more intense than Y7 or GY7		
pH (Ph.Eur.)		7,10	6,80	7,60
pH (USP)		7,10	6,00	7,50
Loss on drying (Ph.Eur.)	%	0,10		1,00
Loss on drying (USP)	%	0,10		1,00
Sulphated ash (Ph.Eur.)	%	0,01		0,10
Residue on ignition (USP)	%	0,01		0,20
Heavy Metals	ppm	< 20		20
Chloride	%	< 0,06		0,06
Related substances (Ph.Eur.) any impurity	%	0,11		1,00
Related substances (Ph.Eur.) total impurities		0,11		1,50

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.

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Characteristic Method	Unit	Value	Lower Limit	Upper Limit
Chromatographic purity (USP)	%	0,20		1,00
Residual solvent (USP) methanol	%	< 0,01		0,30
Assay (Ph.Eur.)	%	100,30	98,00	101,00
Assay (USP)	%	99,70	98,00	102,00
Production date		22.07.2015		
Best before / Retest date		21.07.2019		

"Thiamine Mononitrate meets the specifications of the current monographs:  
"Thiamine Nitrate" of Ph.Eur.  
"Thiamine Mononitrate" of USP"

This C/A is based on analytical results, obtained by the QC-laboratory of the manufacturer.

Re-packaged by BTC Europe GmbH, Burgbernheim

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