PYRIDOXINE HYDROCHLORIDE



CERTIFICATE OF ANALYSIS

Productcode : 0411604 Lot No. : UQ60613166 Analysis No. : 01A17988

Test	Result	Limits / Specifications	Dimension / Units
Appearance visual	Powder	Powder	
Colour visual	White	White Almost white	
Clarity of a solution 5 pc in water Ph.Eur.	Clear	Clear	
Colour of a solution 5 pc in water Ph.Eur.	Not more than Y7	Not more than Y7	
pH of a solution 5 pc in water Ph.Eur.	2.7	2.4 to 3.0	
Identity Ph.Eur.(test B,D)	Corresponds	Corresponds	
Loss on drying Ph.Eur.	0.03	max. 0.50	9/0
Sulphated ash Ph.Eur.	0.00	0.00 to 0.10	9/0
Heavy metals Ph.Eur.	<=20	<=20	ppm
Related substances (HPLC) Impurity A Ph.Eur.	<0.05	max. 0.10	%
Impurity B Ph.Eur.	<0.05	max. 0.10	%
Unspecified impurities (each) Ph.Eur.	<0.05	max. 0.10	0/0
Total impurities (disregard limit 0.05) Ph.Eur.	<0.05	max. 0.2	%
Chloride content (dried) USP	17.1	16.9 to 17.6	%
Assay (dried) Ph.Eur.	99.6	99.0 to 100.5	9/0
Residual solvents Acetone GC-Headspace	Corresponds*	<=5000	ppm
Lead AAS	Corresponds*	<=2	ppm

^{*)}Checked at regular intervals

PYRIDOXINE HYDROCHLORIDE



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This lot was analysed and released by our authorized Quality Control Department and was found to meet the specifications as given above.

The product meets all requirements of the following valid compendia when tested accordingly:

Ph.Eur. + USP + FCC

DSM Nutritional Products GmbH

The Quality Assurance Manager

Rainer Polley

Product Information



Pyridoxine Hydrochloride

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We hereby confirm that the product Pyridoxine Hydrochloride is manufactured by conventional processes** and therefore does not contain GMO-DNA.

This document is generated electronically and valid without signature.

Disclaimer: The information contained herein is to the best of our knowledge accurate. However, we refuse any liability for the application and use of further processed material containing our product. Solely the producer of the final product has to assume full responsibility according to the relevant local regulations. The content of this document is subject to change without further notice unless otherwise agreed in writing. Please consult your local representative or one of DSM's websites at http://webshop.dsm.com for latest version of this document or the latest information.

^{**} The term "conventional process" refers to chemical synthesis, fermentation using non GMM, extraction from conventional plants.



HFCE

المجلس الأوروبي للأغذية الحلال Halal Food Council of Europe

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Registration No: 827964482

شهادة حلال HALAL CERTIFICATE

المجلس الأوروبي للأغذية الحلال يشهد بأن المنتجات المذكورة أدناه قد إستوفت شروط الحلال وفقاً للشريعة الإسلامية

The Halal Food Council of Europe hereby certifies that the products listed below have met the Halal requirements in accordance with Islamic laws.

Date: November 16, 2016

Document #: 5256.5295.IH160384

Company Name & Address: DSM Nutritional Products, Ltd. PO Box 2676 Postfach, Basel City CH 40020 Switzerland

Plant Name & Address: DSM Nutritional Products Emil Barell Str. 3 Grenzach Wyhlen, Baden Wuerttemberg 79639 Germany

Product Name Product Code Halal-ID Product Certificate #

Pyridoxine Hydrochloride 04 1160 4 B60217 HC-16DSZJ01







This certificate is valid until **November 30, 2018** and subject to renewal at that time.



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