

PARSOL MCX



*Coversheet for Certificate of Analysis*

Productcode : 5015784  
Lot No. : 0521060015  
Analysis No. : 03E96004

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CfC Number : 04648189  
Articlecode : 5015784624  
Sales Name : 25 KG PLASTIC CAN PARSOL MCX  
Manufacturing Date : 13-APR-2021  
Best Use Before Date : 12-APR-2024  
Delivery Note No. 1124034062  
Destination : Argentina  
Customer Ref. No : 4501504060  
Customer Article No: 5015784624  
Customer Name: DSM NUTRITIONAL PRODUCTS ARGENTINA S.A.  
COLECTORA ESTE PANAMERICANA, RAMAL PILAR  
C.U.I.T : 30-70782242-9

Article desc. CoA  
Comment

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PAF

**PARSOL® MCX****CERTIFICATE OF ANALYSIS**

Productcode : 5015784  
 Lot No. : 0521060015  
 Analysis No. : 03E96004

Test	Result	Limits / Specifications	Dimension / Units
Appearance visual	liquid	liquid	
Colour visual	pale yellow	pale yellow	
Assay (trans-Isomer) GC (USP 621)	98.8	95.0 to 105.0	%
Identity IR (USP 197F)	corresponds	corresponds	
Identity GC (USP 621)	corresponds	corresponds	
Specific gravity (25°C) Pycnometer (USP 841)	1.010	1.005 to 1.013	
Refractive Index (20°C) Refractometer (USP 831)	1.546	1.542 to 1.548	
Acidity (0.1N NaOH) Titration (USP)	0.2	max. 0.8	mL
UV specific extinction (E 1%, 1 cm at 310 nm in ethanol) Spectrophotometry	858	835 to 865	
Chromatographic purity			
Each impurity GC (USP 621)	0.2	max. 0.5	%
Total impurities GC (USP 621)	0.8	max. 1.0	%
cis-Isomer GC (USP 621)	0.2	max. 0.5	%
2-Ethylhexanol GC (USP 621)	13	max. 50	ppm
Heavy metals			
Lead ICP-MS (USP 232/233)	corresponds*	max. 1	ppm
Cadmium ICP-MS (USP 232/233)	corresponds*	max. 0.5	ppm
Mercury ICP-MS (USP 232/233)	corresponds*	max. 0.1	ppm
Cobalt ICP-MS (USP 232/233)	corresponds*	max. 1	ppm
Chrome ICP-MS (USP 232/233)	corresponds*	max. 1	ppm
Nickel ICP-MS (USP 232/233)	corresponds*	max. 1	ppm

# PARSOL® MCX

## CERTIFICATE OF ANALYSIS

Productcode : 5015784  
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 Analysis No. : 03E96004

Test	Result	Limits / Specifications	Dimension / Units
Antimony ICP-MS (USP 232/233)	corresponds*	max. 1	ppm
Arsenic ICP-MS (USP 232/233)	corresponds*	max. 1	ppm
<b>Microbiological purity</b>			
Total aerobic plate count USP/EP	corresponds*	max. 100	CFU/g
Total yeast and moulds count USP/EP	corresponds*	max. 100	CFU/g
Pseudomonas aeruginosa USP/EP	corresponds*	negative in 1g	
Staphylococcus aureus USP/EP	corresponds*	negative in 1g	
Escherichia coli USP/EP	corresponds*	negative in 1g	
Candida Albicans USP/EP	corresponds*	negative in 1g	

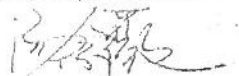
\*) checked at regular intervals

This lot has been analyzed and released. The manufacturing and control records have been reviewed by our authorized Quality organization. This lot meets substance specifications as given here above and has been produced in conformity with applicable Good Manufacturing Practices (GMP).

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

USP

DSM Nutritional Products Ltd  
 The Quality Assurance Manager



Tang Yu-Wei