

PARSOL MCX



Coversheet for Certificate of Analysis

Productcode : 5015784
Lot No. : 0523060018
Analysis No. : 03F40780

CfC Number : 05227469
Articlecode : 5015784624
Sales Name : 25 KG PLASTIC CAN PARSOL MCX
Manufacturing Date : 15-MAR-2023
Best Use Before Date : 14-MAR-2026
Delivery Note No. : 1124121148
Destination : Argentina
Customer Ref. No : 4501825051
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

PARSOL® MCX

CERTIFICATE OF ANALYSIS

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Text	Result	Limits / Specifications	Dimension / Units
Appearance visual	liquid	liquid	
Colour visual	pale yellow	pale yellow	
Assay (trans-Isomer) GC (USP 621)	99.4	95.0 to 105.0	%
Identity IR (USP 197F)	corresponds	corresponds	
Identity GC (USP 621)	corresponds	corresponds	
Specific gravity (25°C) Pycnometer (USP 841)	1.011	1.005 to 1.013	
Refractive Index (20°C) Refractometer (USP 631)	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	860	835 to 865	
Chromatographic purity			
Each impurity GC (USP 621)	0.1	max. 0.5	%
Total impurities GC (USP 621)	0.7	max. 1.0	%
cis-Isomer GC (USP 621)	0.1	max. 0.5	%
2-Ethylhexanol GC (USP 621)	14	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

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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
Microbiological purity			
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	

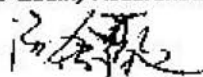
*) checked at regular intervals

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