

PARSOL 340



Coversheet for Certificate of Analysis

Productcode : 5015788
Lot No. : 0223040040
Analysis No. : 03F39529

CfC Number : 05233076
Articlecode : 5015788624
Sales Name : 25 KG PLASTIC CAN PARSOL 340
Manufacturing Date : 25-MAR-2023
Best Use Before Date : 24-MAR-2026
Delivery Note No. 1124121918
Destination : Argentina
Customer Ref. No : 4501825051
Customer Article No: 5015788624
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® 340

CERTIFICATE OF ANALYSIS

Productcode : 5015788
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 Analysis No. : 03F39529

Test	Result	Limits / Specifications	Dimension / Units
Appearance visual	clear viscous liquid	clear viscous liquid	
Colour visual	yellow	yellow	
Assay GC (USP 621)	101.7	95.0 to 105.0	%
Refractive index (20°C) Refractometer (USP 831)	1.566	1.561 to 1.571	
Specific gravity (25°C) Pycnometer (USP 841)	1.050	1.045 to 1.055	
Identity UV (USP 197U)	corresponds	corresponds	
Identity GC (USP 621)	corresponds	corresponds	
Acidity Titration (USP)	0.04	max. 0.16	mL/g
Chromatographic purity Each impurity GC (USP 621)	0.1	max. 0.5	%
Total impurities GC (USP 621)	0.3	max. 2.0	%
UV specific extinction (E 1%, 1 cm at 303 nm in methanol) Spectrophotometry	366	340 to 370	
Benzophenone HPLC	65	max. 100	ppm
Residual solvents Toluene GC (USP 467)	corresponds*	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

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Test	Result	Limits / Specifications	Dimension / Units
Nickel ICP-MS (USP 232/233)	corresponds*	max. 1	ppm
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	

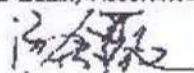
*) checked at regular intervals

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