

PARSOL 340



Coversheet for Certificate of Analysis

Productcode : 5015788
Lot No. : 0222040121
Analysis No. : 03F30789

CFC Number : 04988177
Articlecode : 5015788624
Sales Name : 25 KG PLASTIC CAN PARSOL 340
Manufacturing Date : 10-OCT-2022
Best Use Before Date : 09-OCT-2025
Delivery Note No. 1124085155
Destination : Argentina
Customer Ref. No : 4501641508
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. : 03F30789

Test	Result	Limits / Specifications	Dimension / Units
Appearance visual	clear viscous liquid	clear viscous liquid	
Colour visual	yellow	yellow	
Assay GC (USP 621)	99.0	95.0 to 105.0	%
Refractive index (20°C) Refractometer (USP 831)	1.567	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)	0.0	max. 0.18	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	356	340 to 370	
Benzophenone HPLC	77	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
Chromium ICP-MS (USP 232/233)	corresponds*	max. 1	ppm

DSM Nutritional Products Ltd
 Branch Site Sisseln
 Quality Management
 CH-4334 Sisseln



PARSOL® 340

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

*) 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