



VVF (India) Limited

Taloja Plant : VVF (India) Limited, V-41,
MIDC Industrial Area, Taloja, Raigad - 410208, India.
Telephone: +91 22 3921 3900
Fax: +91 22 2741 2173

CERTIFICATE OF ANALYSIS

Product Name	: VEGAROL 1618 TA (CETO STEARYL ALCOHOL)
Batch no.	: 25D04B0860
Customer name	:
PO. No.	: AOS02753/25 Dated 06.11.2025
Sales contract no.	: 40094768
Container no.	: MSMU 561556-0
Date of dispatch	: 25.12.2025
Quantity	: 2.000 MT

Sr. No.	Analysis Parameters	Specification	Results	Test ref. no.
1	Appearance (at 25°C)	White Pastilles	White Pastilles	Visual
2	Colour (APHA)	10 Max.	4	AOCS Ea-9-65
3	Acid Value, mg of KOH / gm	0.1 Max.	0.019	AOCS Te 2a-64
4	Saponification value, mg of KOH / gm	1.0 Max.	0.20	AOCS TI -1a 64
5	Iodine Value, (Wij's), gms of I ₂ / 100 gms	0.5 Max.	0.20	AOCS Tg 1-64
6	Hydroxyl Value, mg of KOH / gm	210 – 220	213.54	AOCS Cd 13-60
7	Moisture, % by Wt.	0.3 Max.	0.14	AOCS Tb 2-64
8	Hydrocarbons	0.5 Max.	0.35	STM:3.010
9	Carbonyl Value, ppm	150.0 Max.	10.09	ASTM E411-00
10	Solidification range (°C)	50 – 54	52.0	AOCS Da 13-48
11	Carbon Chain Distribution (% by GLC)			STM:3.010
	C14 alcohol	3.0 Max.	0.03	
	C16 alcohol	22 – 32	31.25	
	C18 alcohol	66 – 76	66.39	
	C20 & higher alcohols	3.0 Max.	0.98	

Remarks: Batch conforms to the specification and is passed

Manufacturing Date : December 2025

Best before : Three years from date of manufacturing

Recommended storage condition: Product should be store (a) in the original sealed packaging (b) away from heat & sunlight.

Analyst: UK / GK

Approved by
JITENDRA Mahadeo Koli
MAHADEO KOLI
KOLI
Manager (QC)
Digitally signed by
JITENDRA
MAHADEO KOLI
Date: 2026.01.14
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CERTIFICATE OF ANALYSIS

Product Name	: VEGAROL 1698 (CETYL ALCOHOL)
Batch no.	: 25D08B0893
Customer name	: QUIMICA ANASTACIO ARGENTINA S.A.U
PO. No.	: AOS02753/25 Dated 06.11.2025
Sales contract no.	: 40094768
Container no.	: MSMU 710788-8
Date of dispatch	: 24.12.2025
Quantity	: 9.200 MT

Sr. No.	Analysis Parameters	Specification	Results	Test ref. no.
1	Appearance (at 25°C.)	White Pastilles	White Pastilles	Visual
2	Colour (APHA Units)	10 Max.	4	AOCS Ea-9-65
3	Acid Value, mg of KOH / gm	0.1 Max.	0.019	AOCS Te 2a-64
4	Saponification Value, mg of KOH / gm	0.3 Max.	0.20	AOCS TI -1a 64
5	Iodine Value, (Wij's) gms of I ₂ / 100 gms.	0.3 Max.	0.20	AOCS Tg 1-64
6	Hydroxyl Value, mg of KOH / gm	225 – 235	229.67	AOCS Cd 13-60
7	Moisture, % by wt.	0.1 Max.	0.068	AOCS Tb 2-64
8	Hydrocarbons	0.5 Max.	0.22	STM:3.010
9	Solidification Point (°C)	46 – 52	48.1	AOCS Da 13 -48
10	Carbon Chain Distribution (% by GLC)			STM:3.010
	C12 alcohol	0.5 Max.	0.02	
	C14 alcohol	1.0 Max.	0.11	
	C16 alcohol	98.0 Min.	98.84	
	C18 alcohol	1.0 Max.	0.39	

Remarks: Batch conforms to the specification and is passed.

Manufacturing Date : December 2025

Best Before : Three years from the date of manufacture

Recommended storage condition: Product should be store (a) in the original sealed packaging
(b) away from heat & sunlight

Analyst: PS / SP

Approved by
JITENDRA
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CERTIFICATE OF ANALYSIS

Product Name	: VEGAROL 1698 (CETYL ALCOHOL)
Batch no.	: 25D09B0871
Customer name	: QUIMICA ANASTACIO ARGENTINA S.A.U
PO. No.	: AOS02753/25 Dated 06.11.2025
Sales contract no.	: 40094768
Container no.	: MSMU 710788-8
Date of dispatch	: 24.12.2025
Quantity	: 17.800 MT

Sr. No.	Analysis Parameters	Specification	Results	Test ref. no.
1	Appearance (at 25°C.)	White Pastilles	White Pastilles	Visual
2	Colour (APHA Units)	10 Max.	4	AOCS Ea-9-65
3	Acid Value, mg of KOH / gm	0.1 Max.	0.019	AOCS Te 2a-64
4	Saponification Value, mg of KOH / gm	0.3 Max.	0.19	AOCS TI -1a 64
5	Iodine Value, (Wij's) gms of I ₂ / 100 gms.	0.3 Max.	0.20	AOCS Tg 1-64
6	Hydroxyl Value, mg of KOH / gm	225 – 235	229.48	AOCS Cd 13-60
7	Moisture, % by wt.	0.1 Max.	0.068	AOCS Tb 2-64
8	Hydrocarbons	0.5 Max.	0.22	STM:3.010
9	Solidification Point (°C)	46 – 52	48.1	AOCS Da 13 -48
10	Carbon Chain Distribution (% by GLC)			STM:3.010
	C12 alcohol	0.5 Max.	0.02	
	C14 alcohol	1.0 Max.	0.11	
	C16 alcohol	98.0 Min.	98.86	
	C18 alcohol	1.0 Max.	0.38	

Remarks: Batch conforms to the specification and is passed.

Manufacturing Date : December 2025

Best Before : Three years from the date of manufacture

Recommended storage condition: Product should be store (a) in the original sealed packaging
(b) away from heat & sunlight

Analyst: SP / GK

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CERTIFICATE OF ANALYSIS

Product Name	: VEGAROL 1618 TA (CETO STEARYL ALCOHOL)
Batch no.	: 252566
Customer name	: QUIMICA ANASTACIO ARGENTINA S.A.U
PO. No.	: AOS02753/25 Dated 06.11.2025
Sales contract no.	: 40094768
Container no.	: MSMU 561556-0
Date of dispatch	: 25.12.2025
Quantity	: 25.000 MT

Sr. No.	Analysis Parameters	Specification	Results	Test ref. no.
1	Appearance (at 25°C)	White Pastilles	White Pastilles	Visual
2	Colour (APHA)	10 Max.	4	AOCS Ea-9-65
3	Acid Value, mg of KOH / gm	0.1 Max.	0.022	AOCS Te 2a-64
4	Saponification value, mg of KOH / gm	1.0 Max.	0.20	AOCS TI -1a 64
5	Iodine Value, (Wij's), gms of I ₂ / 100 gms	0.5 Max.	0.21	AOCS Tg 1-64
6	Hydroxyl Value, mg of KOH / gm	210 – 220	213.23	AOCS Cd 13-60
7	Moisture, % by Wt.	0.3 Max.	0.14	AOCS Tb 2-64
8	Hydrocarbons	0.5 Max.	0.37	STM:3.010
9	Carbonyl Value, ppm	150.0 Max.	13.87	ASTM E411-00
10	Solidification range (°C)	50 – 54	52.0	AOCS Da 13-48
11	Carbon Chain Distribution (% by GLC)			STM:3.010
	C14 alcohol	3.0 Max.	0.04	
	C16 alcohol	22 – 32	31.27	
	C18 alcohol	66 – 76	66.41	
	C20 & higher alcohols	3.0 Max.	0.98	

Remarks: Batch conforms to the specification and is passed

Manufacturing Date : December 2025

Best before : Three years from date of manufacturing

Recommended storage condition: Product should be store (a) in the original sealed packaging
(b) away from heat & sunlight.

Analyst: ND / PK

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