

The Glamour of Colour and Light

gandhar
Stay Ahead



Industrial Wax

divyol
solutions within solutions

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INDUSTRIAL WAX



Purity that goes places

Divyol Paraffin wax is a white-to-off-white crystalline purified mixture of solid hydrocarbons derived from petroleum. These waxes are key ingredients used in the production of cosmetics, foods, candles, and crayons, among other similar products. The company also produces Divyol SW72 Micro Wax, a micro-crystalline wax blend of refined hydrocarbon waxes. Conforming to IP and USP purity standards (while meeting US FDA 21 CFR 172. 886 requirements), it is suitable for applications in pharmaceuticals, cosmetics, and food.

PRODUCT: DIVYOL – PARAFFIN WAX

Divyol Paraffin Wax is a white to off-white crystalline purified mixture of solid hydrocarbons derived from petroleum. It is used in the manufacture of cosmetics, pharmaceuticals, food products, candle formulations, crayons, etc.

Sr. No.	Parameters	Test Method	Specifications		
			Paraffin Wax Grade I	Paraffin Wax Grade II	Paraffin Wax Grade III
1	Appearance	Visual	A white (extra white) solid mass	A white solid mass	A white to pale yellow solid mass
2	Colour	ASTM D 156	min. + 30	min. + 25	min. + 20
3	Odour	-	Odourless		
4	Melting point	ASTM D 87	58.0 – 65.0 °C		
5	Oil content, mass %	ASTM D 721	< 0.5	< 1.0	< 2.0
6	Needle penetration at 25 °C. , 0.1 mm	ASTM D 1321	10 – 20		
7	Flash point, °C	ASTM D 92	min. 220		
8	Kinematic viscosity at 100 °C	ASTM D 445	4.0 – 5.0 cSt		
9	Sulphated ash		< 0.05%		
10	Polycyclic aromatic hydrocarbons	BP / USP	Complies		

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DIVYOL MICROCRYSTALLINE WAX – GRADE 1

Divyol Microcrystalline Wax is a refined mixture of solid, saturated hydrocarbons, mainly branched paraffin, obtained from petroleum. It is used in the manufacture of cosmetics and beauty products as a viscosity agent, binder and emollient and is often considered an alternative to paraffin wax.

Sr. No.	Test	Standards	Typical values
1	Description	White or cream-coloured; waxy solid; odourless	Complies
2	Solubility	Soluble in chloroform, ether, volatile oils and most warm fixed oils; partly soluble in ethanol; practically insoluble in water	Complies
3	Colour	No fluorescence	No fluorescence
4	Melting range	54.0 °C –102.0 °C	78.0 °C
5	Consistency	Complies	Complies
6	Acidity	Complies	Complies
7	Alkalinity	Complies	Complies
8	Residue on ignition	< 0.1 %	0.032%
9	Organic acids	Complies	Complies
10	Fixed oils, fats & resin	Complies	Complies
Storage: Store in a cool dry place and avoid direct contact with sunlight			

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EMULSIFYING WAXES

Divyol Emulsifying Waxes are carefully blended with select fatty alcohols, surfactants and ethoxylates under controlled conditions. These well known products are used in ointments, solutions and cream manufacture.

Grades & Standards: Divyol Emulsifying Waxes are available in the following ranges:

Sr. No.	Product	Nature	Popular Equivalent	Uses
1	Divyol EA	Anionic	CRODEX A	Massage creams, cold creams, cleansing milk
2	Divyol EN	Non Ionic	CRESMER EW	Cold creams and general purpose creams
3	Divyol ENF	Non Ionic	POLA WAX NF	Cold creams, lotions, hair conditioning creams
4	Divyol ENP	Non Ionic	POLA WAX GP 200	Creams with low or high PH
5	Divyol EAL	Non Ionic	ARLACEL 16	Creams with low or high PH, bleach creams, hair removing creams, hair colour, creams, etc.

Sr. No.	Characteristics	Divyol EA Anionic Emulsifying Wax (Lanette Wax)
1	Description	White waxy solid; becomes plastic when warm; emitting faint and characteristic odour
2	Solubility	Almost insoluble in water; forming an emulsion; partly soluble in solvent ether; moderately soluble in alcohol
3	Unsaponifiable matter	88 to 92% residue obtained in this test complies with the following Tests
		Melting point: > 43 °C
		Acetyl value: 180 – 194
		Water: < 4%
4	Acid value	< 0.025 ml of 0.02 N NaOH is required for each gram of substance
5	Alkalinity	As per pharma standard
6	Melting point	50 – 60 °C
7	Water	< 4% w/w
8	Iodine value	< 3
9	Saponification value	< 1
10	Solidifying point	49 – 53 °C
11	Sodium alkyl sulphate	> 8.7%
12	Standards	IP / BP / USP / EP

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EMULSIFYING WAXES

Sr. No.	Characteristics	Divyol EN Non-Ionic Emulsifying Wax (Ceto Emulsifying Wax)
1	Description	White waxy solid; melting when heated to a clear almost white liquid; emitting faint and characteristic odour
2	Solubility	Almost insoluble in water; forming an emulsion; partly soluble in solvent ether; moderately soluble in alcohol
3	Unsaponifiable matter	Nil
4	Acid value	As per pharma standard
5	Alkalinity	As per pharma standard
6	Melting point	58 – 62 °C
7	Hydroxyl value	175 – 192
8	Refractive index at 60 °C	1.435 – 1.439
9	Saponification value	< 1
10	Solidifying point	50 – 55 °C
11	Sodium alkyl sulphate	> 8.7%
12	Standards	IP / BP / USP / EP

Sr. No.	Characteristics	DIVYOL ENF Emulsifying Wax
1	Description	White waxy solid; melting when heated to a clear almost white liquid; emitting faint and characteristic odour
2	Solubility	Almost insoluble in water; forming an emulsion; partly soluble in solvent ether; moderately soluble in alcohol
3	Alkalinity	As per pharma standard
4	Melting point	48 – 52 °C
5	Hydroxyl value	178 – 192
6	Iodine value	< 3.5
7	Saponification value	< 14
8	Standards	IP / BP / USP / EP

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ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, GMP Certified, NABL Accreditation and Government Recognized Three Start Export House

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