SPECIFICATIONS

RITAPAN DL
(Panthenol USP)
INCI Name: Panthenol

DEFINITION: Panthenol is the alcohol that conforms to the formula:

\[ \text{H}_{2}\text{OCH}_{2}\text{C(CH}_3\text{)}_{2}\text{CH(OH)}_{2}\text{C(CH}_3\text{)}_{2}\text{CH}_2\text{CH}\]

EMPIRICAL FORMULA: \(\text{C}_9\text{H}_{19}\text{NO}_4\)

DESCRIPTION: RITAPAN DL is dl-Panthenol which is the racemic form of Pantothenyl Alcohol. This material is a white to creamy white powder. Another industry accepted term is pro-vitamin B-5. RITAPAN DL has a principal use in hair thickening and moisturization.

GENERAL DATA:

- Molecular Weight: 205.25
- Solubility: Soluble in water, alcohol, propylene glycol
- CAS Number: 16485-10-2
- EINECS Number: 240-540-6

SPECIFICATIONS:

- Odor: Characteristic
- Appearance: White powder
- Identification (A, B, C): Complies with USP
- Melting Range: 64.5 - 68.5°C
- Residue on Ignition: 0.1% max
- Loss on Drying: 0.5% max (vacuum)
- Aminopropanol: 0.1% max
- Assay: 99.0% - 102.0%
- Specific Rotation: -0.05° to +0.05°
- Heavy Metals: 10 ppm max
- As: 2 ppm Max
- Residual Solvents: Complies with USP
- Methylene Chloride (ppm): 500 Max.
- IR: TMS

The information contained herein is to our best knowledge true and accurate, but all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. RITA CORPORATION disclaims any liability in connection with the use of these data or suggestions.

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