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DL-PANTHENOL  
(dl-Pantothenyl Alcohol)  
Cosmetic Grade

APPEARANCE:	OFF-WHITE TO CREAM CRYSTALLINE POWDER
EMPERICAL WEIGHT:	C <sub>9</sub> H <sub>19</sub> NO <sub>4</sub>
MOLECULAR WEIGHT:	205.25
ODOR:	SLIGHT CHARACTERISTIC
SOLUBILITY:	SOLUBLE IN WATER, ACETONE, ETHANOL, & PROPYLENE GLYCOL.
SOLUTION IN WATER:	10% SOLUTION IS CLEAR AND COLORLESS.
FREE AMINES:	NOT MORE THAN 0.2% 3-AMINOPROPANOL.
MELTING POINT:	65.0 - 69.0°C (CORR.)
MOISTURE LEVEL:	MAXIMUM 1%
ASSAY:	98.5% MINIMUM
HEAVY METALS:	MAXIMUM 20 PPM

STABILITY: dl-PANTHENOL IS STABLE IF PROTECTED FROM MOISTURE. IN AQUEOUS COSMETIC FORMULATIONS, THE pH RANGE OF THE FINAL PRODUCT SHOULD BE ADJUSTED TO 4-7, THE OPTIMUM pH BEING APPROXIMATELY 6.

USES: HAIR CARE PRODUCTS, TOPICAL COSMETIC PREPARATIONS, ETC.

STORAGE & HANDLING: STORE IN A DRY , COOL PLACE. PROTECT FROM MOISTURE. ALWAYS CLOSE CONTAINERS TIGHTLY, IMMEDIATELY AFTER USE

IDENTIFICATION: MIX 5 DROPS OF dl-PANTHENOL SOLUTION (0.5 gm IN 50 ml. OF WATER) AND BOIL FOR 1 MINUTE. AFTER COOLING ADD ABOUT 0.01 gm HYDROXYLAMINE HYDROCHLORIDE AND 1.5 ml. SODIUM HYDROXIDE. AFTER STANDING FOR 2 MINUTES ADD 0.6 ml. HYDROCHLORIC ACID AND 1 DROP OF FERRIC CHLORIDE (0.1 ml.) A RED VIOLET COLOR DEVELOPS.

PACKAGING:	DRUM			
WEIGHTS:	GROSS:	60 LBS.	TARE: 5 LBS.	NET: 55 LBS.
	GROSS:	27.22 Kgs.	TARE: 2.27 Kgs.	NET: 24.95 Kgs.

*You Can Count On Us!*

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