



新发药业有限公司

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PRODUCT DATA SHEET

JAN.06,2020

**Product Name:** D-Calcium pantothenate

**Product Expiry Date:** 3 years

**Product Characteristics:**

Alanine, N-(2,4-dihydroxy-3,3-dimethyl-1-oxobutyl)-, calcium salt (2:1)

**Appearance:** white powder

**Chemical Formula:** C<sub>18</sub>H<sub>32</sub>CaN<sub>2</sub>O<sub>10</sub>

**Molecular Weight:** 476.53

**Specification:** KOSHER/HALAL/ISO9001:2000/ISO14000/ISO18000/ISO22000/FAMI-QS

**CAS number:** 137-08-6

Items of analysis	Specification		Results
<b>Appearance</b>	White powder	COQC-053	Meet
<b>Identification</b>			
A: Infrared Absorption <197K>	Concordant with the reference spectrum	USP<197K>	Meet
B: A solution (1 in 20) responds to the tests for Calcium	Conform to USP40	USP<191>	Meet
<b>Specific optical rotation</b>	+25.0° ~+27.5°	USP<781s>	Meet
<b>Alkalinity</b>	No pink color is produced within 5 seconds	USP	Meet
<b>Loss on drying</b>	Not more than 5.0%	USP<731>	Meet
<b>Heavy metals (colorimetry)</b>	Not more than 20ppm	USP<231>	Meet
<b>Pb</b>	≤2ppm	AAS	Meet
<b>Cd</b>	≤1ppm	AAS	Meet
<b>Hg</b>	≤0.1ppm	AAS	Meet
<b>As</b>	≤1ppm	AAS	Meet
<b>Methanol residue (GC)</b>	Meet the requirements	USP (GC)	Meet
<b>Assay (HPLC)</b>	98%-102%	USP(HPLC)	Meet
<b>Total plate count</b>	<1000CFU/g	USP<2021>	Meet
<b>Mold and Yeast</b>	<100 CFU/g	USP<2021>	Meet
<b>Staphylococcus aureus</b>	Negative	USP<2022>	Meet
<b>E.Coli</b>	Negative	USP<2022>	Meet

