CERTIFICATE OF ANALYSIS

Date: 18/08/18

PRODUCT NAME : CALCIUM-D-PANTOTHENATE FOR BIOCHEMISTRY
((+) Pantotheric Acid Calcium)

CAS No	**: 137- 08- 6**	**Product code**	**: 13320**
Mol. Formula	**: $C_{18}H_{32}CaN_2O_{10}$**	**Batch No**	**: MCR-16722**
Mol. WT	**: 476.54**	**Mfd.**	**: Aug. 2018**
Exp.	**: July 2023**		

S. R	Test	Specification	Observation
1	**Description**	A white powder slightly hygroscopic.	A white powder slightly hygroscopic.
2	**Specific rotation (C= 5,dried subs)**	+26 to $+28^0$	$+26^0$
3	**Calcium(Ca)**	8.2 - 8.6%	8.26%
4	**Chloride (Cl)**	0.02% max	<0.02%
5	**Loss on drying (105^0C)**	2.0% max	0.48%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By] **[QC Incharge]**

HEAD-QUALITY ASSUARANCE
(G.G.Salian)

Note: Computer generated image requires no sign.

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