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Reg. Soc. Trib. Milano 268561 n. meccanografico MI 151254

Capitale sociale Euro 110.000,00 interamente versati

Milano 20/10/2015

# CERTIFICATE OF ANALYSIS

## 18014

PRODUCT	INVOICE	BATCH	PRODUCTION	EXPIRY
D-PANTHENOL USP	AO 1222	1509654	09/2015	09/2018

A	B	C
CHARACTERISTICS	SPECIFICATION LIMITS	ANALYSIS VALUE
Apect at 20°C	Clear viscous liquid of	Conform
Assay %	98 - 101	99
Specific optical rotation	29 - 31.5	+30.9
Water %	Max 1	0.4
Arsenic ppm	Max 3	Conform
Heavy metal ppm	Max 10	Conform
Sulphated ash %	Max 0.1	Conform
pH sol..5%	9.5 - 10.5	10,5

**Note:**

- Computer Printed Document Unsigned
- Field A+B indicates the manufacturing specification
- Field A+B+C indicates the batch analysis results

**CISME implements and maintains the quality management system UNI EN ISO 9001:2008 certified by Certiquality**