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Certified ISO 9001:2015

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## CERTIFICATE OF COMPLIANCE/ANALYSIS

Product : N-Methyl-2-Pyrrolidone Headspace 1 L

Synonym: 1-Methyl-2-pyrrolidone, NMP.



Article no : 0013567501BS

CAS 872-50-4

M.P. -24 °C

Lot#: 0010011645

EC NO 212-828-1

B.P. 204 °C

Grade: Headspace

FW C5H9NO

n20/D1.469

MW 99.13

DENSITY 1.03

Test	Specification	Result
Purity (GC)	>= 99.9 %	99.9 %
Identity (IR)	Complying	Complying
Water (KF)	<= 0.05 %w/w	0.01 %w/w
Color (APHA Pt-Co)	<= 10	10
GC-HS (Each class 1 solvent)	<= 1 µg/g	< 1 µg/g
GC-HS (Each class 2 solvent)	<= 10 µg/g	< 10 µg/g
GC-HS (Each class 3 solvent)	<= 50 µg/g	< 50 µg/g
GC-HS (Each unknown, range MIBK-DMSO)	<= 10 µg/g	< 10 µg/g
Headspace test for O.V.I's	Complying	Complying

Filled under inert gas.

Suitable as solvent for the analysis of residual solvents of ICH classes 1, 2 and 3 according to Ph Eur and USP.

Each unknown measured against Methyl isobutyl ketone up to dimethyl sulfoxide is 10 µg/g.

Formic acid and acetic acid are not detected.

Manufacturing Date : 04/2023

Expiration Date : 04/2026

#### TERMS OF SALE:

SELLERS ONLY OBLIGATION SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT PROVEN TO BE DEFECTIVE. SELLER SHALL NOT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE, MISUSE, OR THE INABILITY TO USE THE PRODUCT. USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE AND SHALL ASSUME ALL LIABILITY IN CONNECTION THEREWITH.

Store at room temperature in a shaded and ventilated place.

Our COA's are computer printouts and therefore valid without signature.

SDS is available on our website.

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QC Manager