


CERTIFICATE OF ANALYSIS

PRODUCT:	<u>MAGNESIUM LIQUIDE</u>	GRADE:	<u>NPN 00458465</u>
CODE:	<u>102411 (MAG250)</u>	DATE OF MANUFACTURE:	<u>2018-10</u>
MANUFACTURED UNDER LOT:	<u>25921</u>	EXPIRATION DATE:	<u>2021-10</u>
PACKAGED UNDER LOT:	<u>25907</u>		

VERSION: 08

Issued date: 2017-04-11

Approved by: 

TEST	LIMITS	METHOD	RESULTS
IDENTITY			
Appearance:	Clear liquid without deposit	Visual	Complies
Color:	Colorless	Visual	Complies
Odor/ Taste:	Characteristic	Organoleptic	Complies
pH :	3.6 - 4.2	pH meter	4.1
Density:	0.985 - 1.025 g/ml	Pycnometer	1.006 g/ml
ACTIVITY			
Elemental Magnesium	2.13 - 2.96 mg/ml (Target: 2.37 mg/ ml)	USP	2.33 mg/ml
PURITY			
Total aerobic microbial count	< 3 000 cfu/g	USP <61>	<10 cfu/g
Yeasts / Moulds	< 300 cfu/g	USP <61>	<10 cfu/g
<i>Pseudomonas aeruginosa</i>	Absence	USP <62>	Absence
<i>Escherichia coli</i>	Absence	USP <62>	Absence
<i>Salmonella spp.</i>	Absence	USP <62>	Absence
<i>Staphylococcus aureus</i>	Absence	USP <62>	Absence
Arsenic	< 0.16 ppm	ICP/MS	<0.03 ppm
Cadmium	< 0.10 ppm	ICP/MS	<0.02 ppm
Lead	< 0.16 ppm	ICP/MS	<0.03 ppm
Mercury	< 0.34 ppm	ICP/MS	<0.02 ppm
Residual solvents ⁽¹⁾	USP limits	USP <467>	Complies

⁽¹⁾ Tested according to SOP CQ026

VERIFIED BY:



QUALITY CONTROL (QC)

2018-11-13

DATE

APPROVED FOR USE BY:



QUALITY ASSURANCE (QA)

2018-11-13

DATE