# uimiter, S.A.

TEST

Description

APARTADO POSTAL 0819-09930 EL DORADO - PANAMÁ - REP. DE PANAMÁ

TEL.: (00-507) 263-8272 - FAX: (00-507) 269-4342



### CERTIFICATE OF ANALYSIS

Material: PROPIN OXIFENIL MANDELATO DE DIMETIL AMINO ETANO CLORHIDRATO

Lot No: Code No: Lab No:

E-65181 72455 QC-41791

Tested according to: Delmar

**SPECIFICATIONS** RESULTS White to creamy white powder

Conforms Foreign material Essentially free of foreign material Conforms Solubility Soluble in water, alcohol, chloroform and diluted acids; Conforms sparingly soluble in acetone; practically insoluble in toluene,

ether, ethyl acetate, hexane and diluted alkalis

Identification (IR) IR spectrum conforms to that of the reference standard Conforms Identification A white precipitate is obtained from sample solution combined Conforms (precipitation)

with AgNO<sub>3</sub> TS Melting range 167 - 172°C Water content (KF) ≤ 1.0% w/w Residue on ignition ≤ 0.1% W/W

Loss on drying ≤ 1.0% w/w Sulphate ≤ 100 ppm

Heavy metals ≤ 20 ppm 3.6 - 4.2Colour of solution

Less than analytical method standard (C) Assay (titration) 98.0 - 102.0% w/w on dried basis

168-171 0.3 0.1 0.1 < 100 < 20

3.6 Conforms 100.5

Disposition:

Meets specifications

Manufacturing date:

June 20th, 2016

Retest date: June 20th, 2021

Date: July 20th, 2016

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por Felipe Benna

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TEST

APARTADO POSTAL 0819-09930 EL DORADO - PANAMÁ - REP. DE PANAMÁ TEL.: (00-507) 263-8272 - FAX: (00-507) 269-4342



#### CERTIFICATE OF ANALYSIS

Material: PROPIN OXIFENIL MANDELATO

Lot No:

E-65185

DE DIMETIL AMINO ETANO CLORHIDRATO

Code No: Lab No:

72455 QC-42066

Tested according to: Delmar

SPECIFICATIONS					

RESULTS

Description White to creamy white powder Conforms Foreign material Essentially free of foreign material Conforms Solubility Soluble in water, alcohol, chloroform and diluted acids. Conforms

sparingly soluble in acetone; practically insoluble in toluene, ether, ethyl acetate, hexane and diluted alkalis

Identification (IR) IR spectrum conforms to that of the reference standard Conforms Identification A white precipitate is obtained from sample solution combined (precipitation) with AgNO, TS

Melling range 167 - 172°C

Water content (KF) ≤ 1.0% w/w Residue on ignition ≤ 0.1% w/w Loss on drying ≤ 1.0% W/W

Sulphate ≤ 100 ppm Heavy metals ≤ 20 ppm pH 3.6 - 4.2

Colour of solution Less than analytical method standard (C) Assay (titration) 98.0 - 102.0% w/w on dried basis

Conforms 169-170 N. Detected N. Detected 0.2

< 100 < 20 3.6

Conforms 100.8

Disposition:

Meets specifications

Manufacturing date:

July 18th, 2016

Retest date. July 18th, 2021

Date: July 27th, 2016

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por Allie Benne



### **CERTIFICATE OF ANALYSIS**

Material: PROPIN OXIFENIL MANDELATO
DE DIMETIL AMINO ETANO CLORHIDRATO

Lot No: Code No: Lab No:

G-70187 72455

QC-45280

Tested according to: Delmar

TEST	SPECIFICATIONS		RESULTS
Description	White to creamy white	powder	Control of the Contro
Foreign material	Essentially free of fore	ign material	Conforms
Solubility	Soluble in water, alcohol, chloroform and diluted acids; sparingly soluble in acetone; practically insoluble in toluble		Conforms
Identification (IR)	ether, ethyl acetate, nexane and diluted alkalis		
	IR spectrum conforms to that of the reference standard		Conforms
Identification (precipitation)	A white precipitate is obtained from sample solution combined with AgNO <sub>3</sub> TS		Conforms
Melting range	167 - 172°C		160 170
Water content (KF)	≤ 1.0% w/w		169-170
Residue on ignition	≤ 0.1% w/w		0.2
Loss on drying	≤ 1.0% w/w		N. Detected
Sulphate	≤ 100 ppm		N. Detected
Heavy metals	≤ 20 ppm		< 100
pH	3.6 – 4.2		< 20
Colour of solution			3.8
Total of Solution	Less than analytical me	Conforms	
Assay (titration)	98.0 - 102.0% w/w on	dried basis	
Residual solvents (GC)	DMSO	≤ 5000 ppm	100.4
	DMF	≤ 880 ppm	N. Detected
Residual solvents (GC-	Toluene	≤ 890 ppm .	N. Detected N. Detected
HS)	IPA	≤ 5000 ppm	120
	Propargyl alcohol	≤ 1500 ppm	N. Detected
	DMC	≤ 1500 ppm	540

Disposition:

Meets specifications

Manufacturing date:

July 8th, 2017

Retest date: July 8<sup>th</sup>, 2022 (5

years at RT)

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Date: September 20th 2017

Approved by:

Pierre Ménard Tremblay, Chemist Supervisor/Quality Control

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