



NEWMIND
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CERTIFICATE OF ANALYSIS

PPAP HCL

(1-Phenyl-2-propyl-aminopentane HCL)

Material Lot# 20160406 Manufacture Date: 04/06/2016
Country of Origin: China Retesting Date: 04/05/2018

Analysis	Claim	Result
Assay	≥98%	98.4%

Test	Claim	Result
Appearance	White Powder	Complies
Solubility	Soluble in glycerol and water.	Complies

Impurity Test	Claim	Result
Appearance	White Powder	Complies
Solubility	Soluble in glycerol and Water	Complies
HPLC Assay	≥98%	98.4%
Heavy Metals	≤10 ppm	Complies
Arsenic	≤10 ppm	0.036 ppm
Cadmium	≤10 ppm	<0.001 ppm
Lead	≤10 ppm	0.154 ppm
Mercury	≤10 ppm	0.074 ppm

PPAP HCL should be stored at below room temperture in a tightly sealed durable container.
PPAP HCL should not be stored in metal or stainless steel containers.
PPAP HCL should be protected from excess heat, direct sunlight, excess humidity and moisture.
PPAP HCL has a stable shelf life of 2 years from date of manufacture when properly stored.



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(1-Phenyl-2-propyl-aminopentane HCL)

Product Name	1-Phenyl-2-propylaminopentane HCL	Client Lot Number	20160406
Report Date	05/11/16	Laboratory #	7041

Test	Method	Result
Identification	H-NMR	Conform
Purity	HPLC	99.3%
Heavy Metals	ICP-MS	ppm
Arsenic	ICP-MS	0.036
Cadmium	ICP-MS	<0.001
Lead	ICP-MS	0.154
Mercury	ICP-MS	0.074

Collin Thomas *CT*
Laboratory Manager

05/11/2016 *5/11/16*
Date

