

Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs 5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146 www.gojirafc.com • sales@gojirafc.com

Certificate of Analysis

Ledipasvir Acetone 99%

Catalog Number:	LA1006	
Lot Number:	1031702	
CAS Number:	1441674-54-9	
Molecular Formula:	$C_{49}H_{54}F_2N_8O_6.C_3H_6O$	
Molecular Weight:	947.08	
Storage:	$2^{\circ}C - 8^{\circ}C$	
Date of Manufacture:	July 15, 2017	
Retest Date:	July 14, 2019	

Test	Specification	Result
Appearance	White to light tan to pink powder	Conforms
Assay (HPLC)	98.0 – 102.0%	99.45%
Identification (HPLC, IR)	Equivalent to standard	Conforms
Acetone Content (GC)	6.0 - 8.0%	7.85%
Solubility	N.N-Dimnethylformamide	Conforms
Moisture	≤ 2.0%	0.13%
Residue on Ignition	≤ 0.1%	0.03%
Impurities (HPLC)		
Individual	≤ 0.15%	0.12%
Total	≤ 1.0%	0.32%
Heavy Metals	≤ 20ppm	< 20ppm
Residual Solvents		
Acetonitrile	≤ 410ppm	Not detected
Dichhloromethane	≤ 600ppm	Not detected
DMF	≤ 880ppm	Not detected
Ethyl Acetate	≤ 5,000ppm	1,961ppm
Isopropyl Acetate	≤ 5,000ppm	11ppm
Isopropyl Alcohol	≤ 5,000ppm	Not detected
Methanol	≤ 3,000ppm	Not detected
Methyl Tertiary Butyl Ether	≤ 5,000ppm	Not detected
Toluene	≤ 890ppm	17ppm

Approved by:

John grubb

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For research purposes only. Not for drug or clinical use in humans or human food additive use.