

## **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

Catalog Number: Lot Number: CAS Number: Molecular Formula: Molecular Weight: Storage: Date of Manufacture: Retest Date:	LE1002 0726601 1256388-51-8 $C_{49}H_{54}F_2N_8O$ 889.0 $\leq$ -20°C June 7, 2016
Retest Date:	June 6, 2017

Specification	Result
White to off-white powder	Conforms
≥ 99.0%	99.85%
98.0 – 102.0%	99.73%
Retention time of major peak in the chromatogram corresponds to standard	Conforms
≤ 0.1%	0.01%
≤ 0.15% ≤ 1.0%	0.05% 0.15%
≤ 10ppm	< 10ppm
<ul> <li>≤ 5000ppm</li> <li>≤ 890ppm</li> <li>≤ 5000ppm</li> <li>≤ 5000ppm</li> <li>≤ 3000ppm</li> <li>≤ 410ppm</li> <li>≤ 880ppm</li> <li>≤ 600ppm</li> </ul>	Not detected 9ppm 52ppm 269ppm 725ppm Not detected Not detected Not detected Not detected 161ppm
	White to off-white powder         ≥ 99.0%         98.0 - 102.0%         Retention time of major peak in the chromatogram corresponds to standard         ≤ 0.1%         ≤ 0.15%         ≤ 1.0%         ≤ 10ppm         ≤ 5000ppm         ≤ 5000ppm         ≤ 5000ppm         ≤ 5000ppm         ≤ 5000ppm         ≤ 3000ppm         ≤ 890ppm         ≤ 880ppm

Approved by:

grubb John

John Grubb, PhD Gojira Fine Chemicals, LLC Quality Manager Tel: 440-539-7033 Fax: 888-211-5523 john@gojirafc.com Date: July 26, 2016

For research or further manufacturing. Not for drug, clinical or a food use in humans or animals.