



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

Catalog number: 021130S

Product name: **NARIRUTIN with HPLC**  
(Naringenin-7-O-rutinoside; Isonaringin)

CAS Number: [14259-46-2]

Lot Number: 1312403

Chemical Formula: C<sub>27</sub>H<sub>32</sub>O<sub>14</sub>

Molecular Weight: 580.54

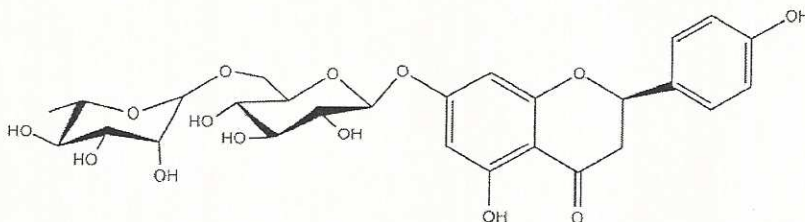
Appearance: White powder

Botanical Source: Citrus paradisi Macfadyen

Loss on drying: 1.3%

Storage: Store in cool dry place. Protect from light.

Purity(HPLC): 98.71%





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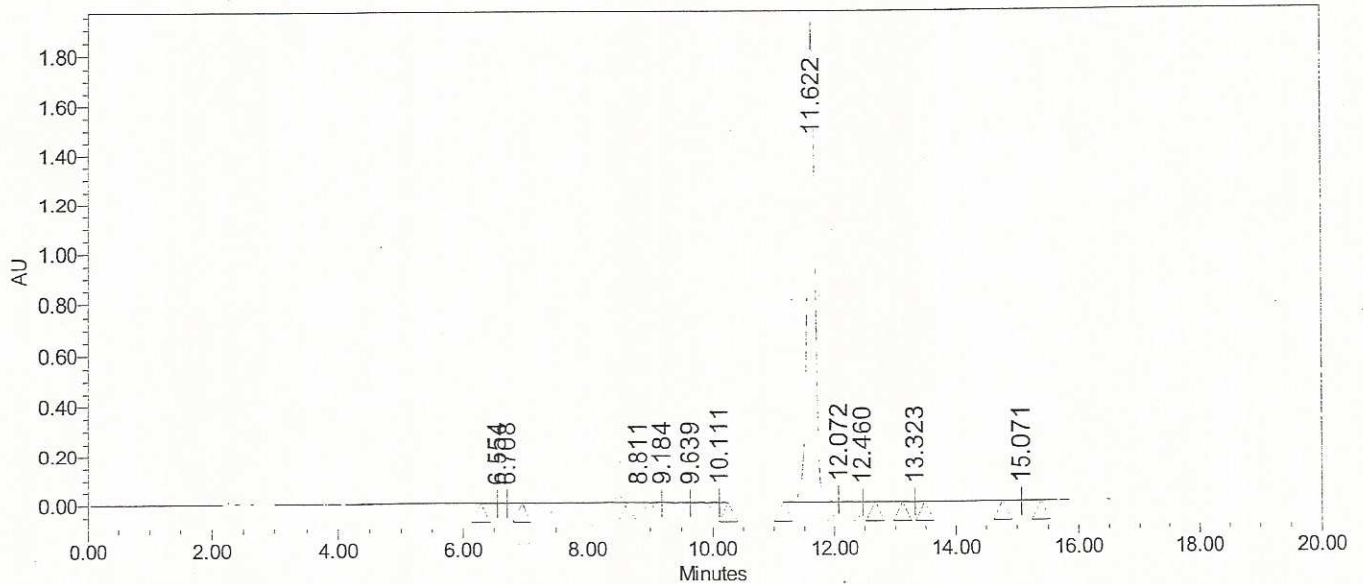
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## HPLC ANALYSIS

### SAMPLE INFORMATION

Sample Name:	Narirutin	Catalog No.:	021130S
Sample Type:	Unknown	Product Name:	Narirutin
Vial:	1:B,1	Lot No.:	1312403
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	283.0nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	PDA 283.0 nm

Auto-Scaled Chromatogram



### Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		6.554	10963	0.06	10803.27	
2		6.708	8041	0.05		
3		8.811	4396	0.03	16493.99	
4		9.184	13246	0.08	23803.70	1.34
5		9.639	8953	0.05	2289.62	1.18
6		10.111	20597	0.12	34296.87	1.24
7		11.622	16666795	98.71	40795.52	6.59
8		12.072	131693	0.78	26524.24	1.69
9		12.460	5028	0.03	64091.83	1.21
10		13.323	7770	0.05	54003.69	2.86
11		15.071	7958	0.05	12223.08	5.24



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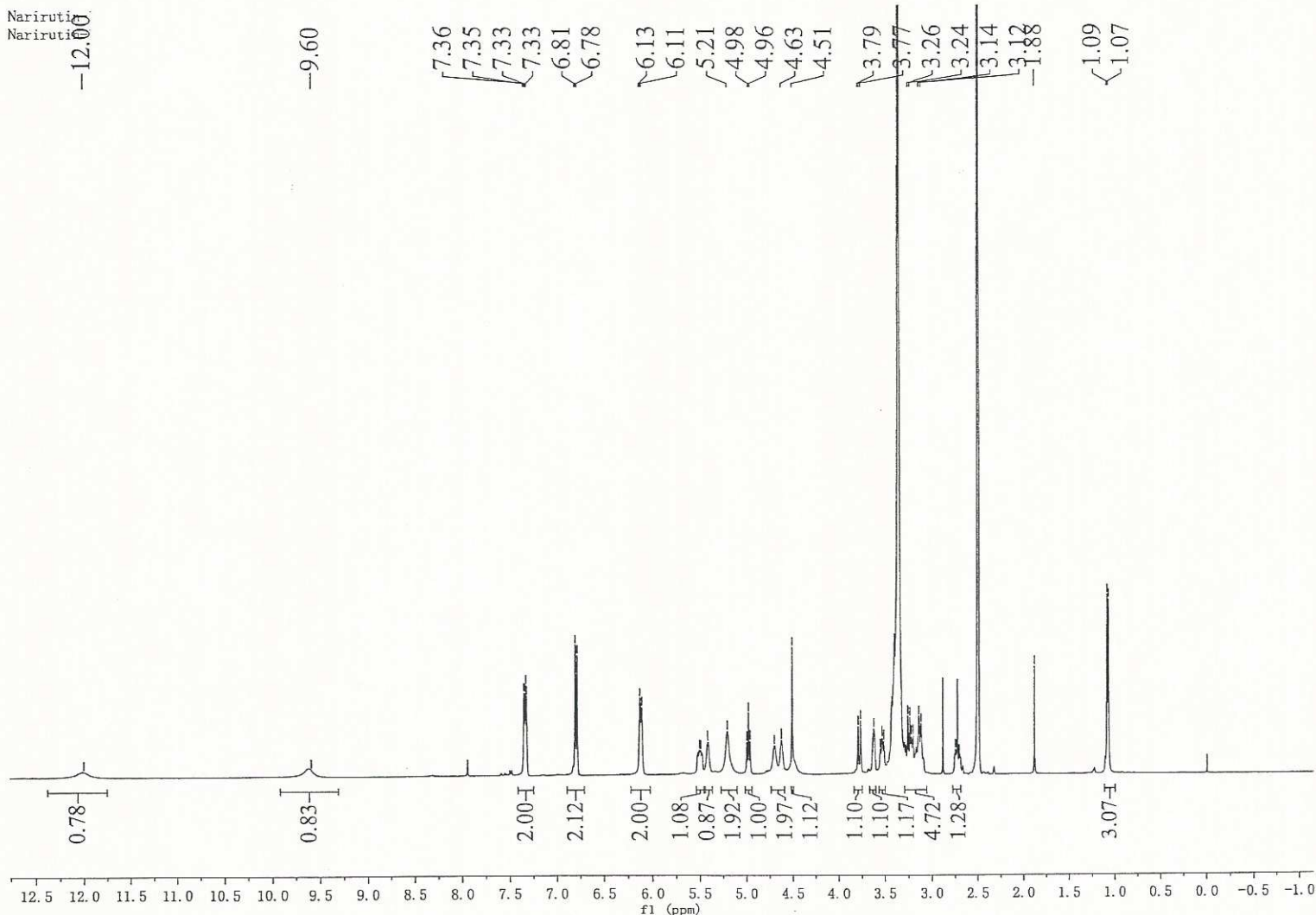
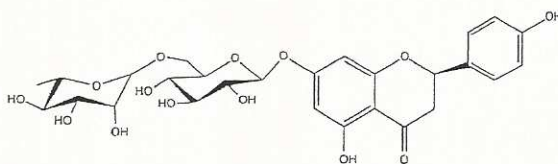
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Catalog No.: 021130S

Product Name: Narirutin

Lot No.: 1312403





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Product Name: Narirutin

Lot No.: 1312403

EM=580.54

C:\MassLynx\Default.pro\Data

22-Nov-2013

Waters ZQ

NARIRUTIN-131121-20101122-MS- 53 (0.800) Cm (53-(56:101+13:52))

Scan ES-  
3.19e6

