



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

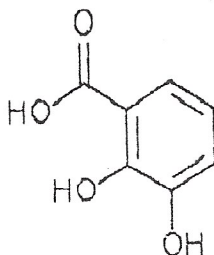
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat No.: 026046

<u>Product:</u>	2,3-DIHYDROXYBENZOIC ACID
<u>CAS Number:</u>	[303-38-8]
<u>Lot Number:</u>	0807045
<u>Chemical Formula:</u>	C ₇ H ₆ O ₄
<u>Molecular Weight:</u>	154.13
<u>Melting Point:</u>	208-210°C
<u>Appearance:</u>	Off-white crystalline powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Chloroform:Methanol (9:1)
<u>Storage:</u>	Cool dry place
<u>Assay:</u>	98.96%





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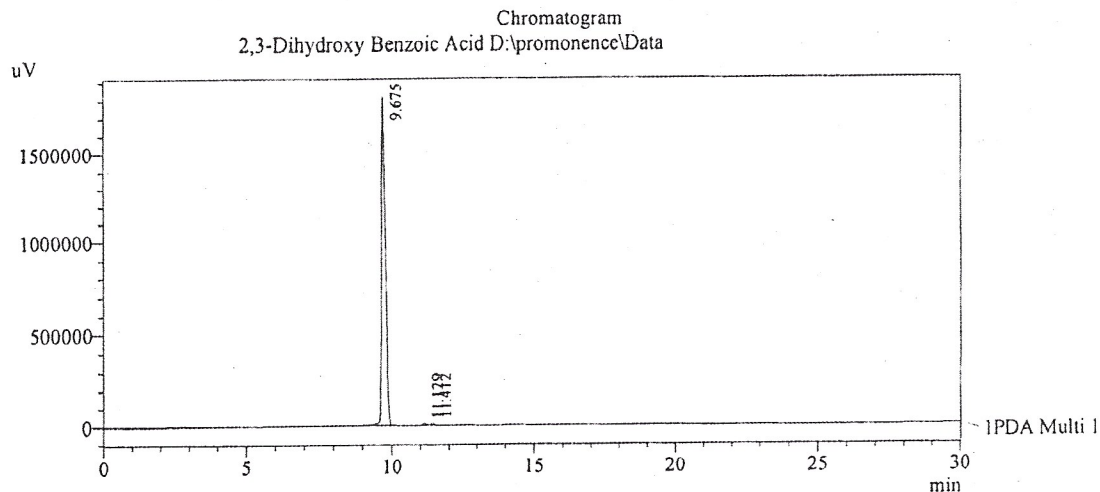
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HPLC ANALYSIS

Acquired by	: Admin	Cat. No.:	026046
Sample Name	: 2,3-Dihydroxy Benzoic Acid	Product name:	2,3-Dihydroxybenzoic acid
Sample ID	: Lot No: 0807045	Lot No.:	0807045
Injection Volume	: 20 uL		
Data Filename	: 2011111.lcd		
Method Filename	: Lincar Gradient.M.lcm		

Column	: LUNA C-18(2), (250mm x4.6mm 5.0μ)
Flow	: 1.000 mL/min.
Mobile Phase	: A(0.05% TFA in water) B(Acetonitrile)
	0.01 90 10
	12.0 10 90
	20.0 10 90
	25.0 90 10
	30.0 90 10



1 PDA Multi 1 / 240nm 4nm

PeakTable

PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	relative Retention Tim
1	RT:9.675	9.675	17141807	98.96	1.00
2	RT:11.129	11.129	98503	0.57	1.15
3	RT:11.412	11.412	81591	0.47	1.18
Total			17321901	100.00	



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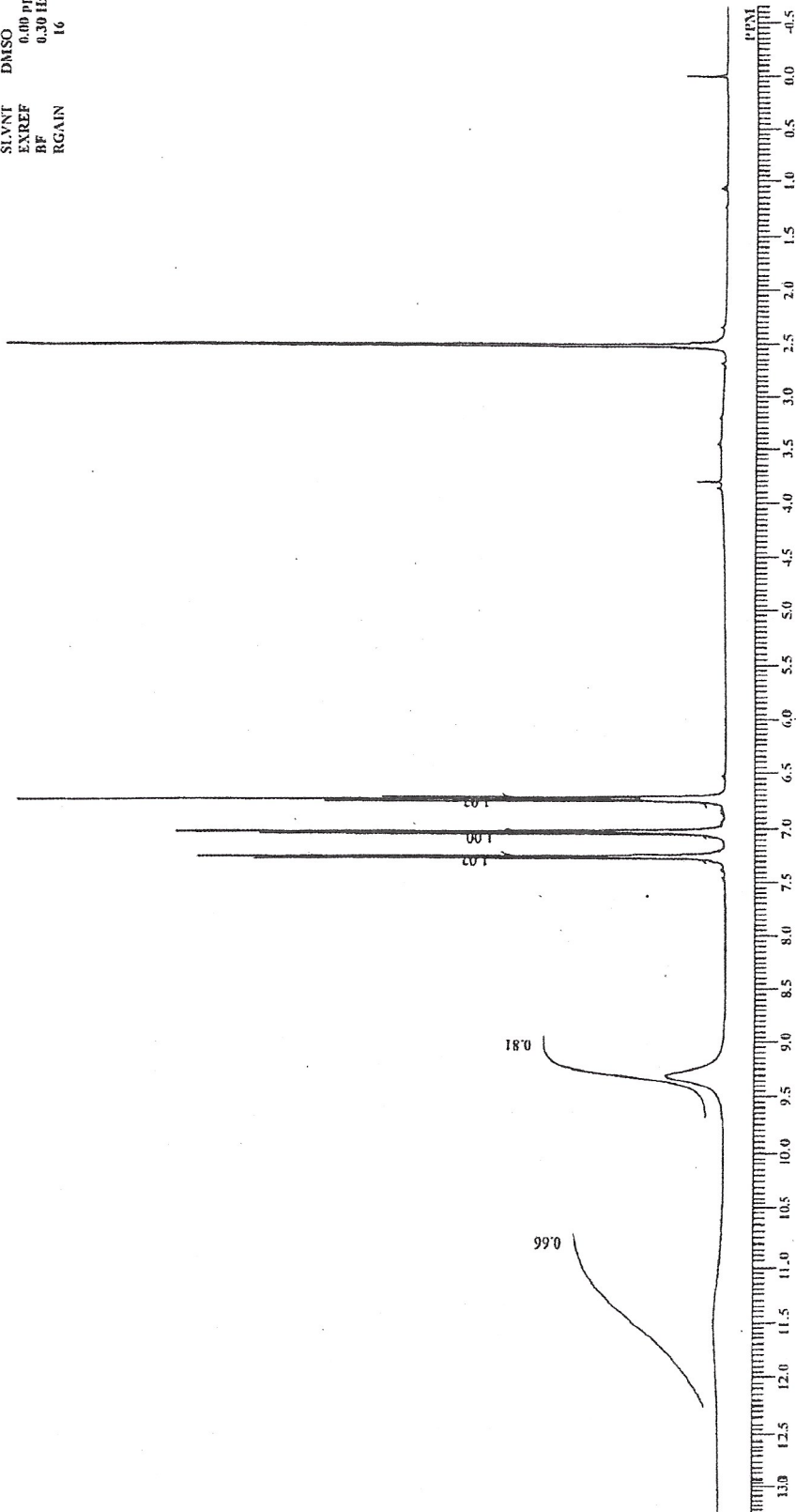
IFC-9 IH NMR.DMSO-D6

Cat. No.: 026046

Product name: 2,3-Dihydroxybenzoic acid

Lot No.: 0807045

DFILE	IFC-9.als	IFC-9 IH NMR.DMSO-D6
COMNT		
OBNUC	IH	
EXMOD	NON	
ORFQ	399.65 MHz	
ORSET	124.00 KHz	
ORPIN	10500.00 Hz	
POINT	65536	
FREQU	7992.01 Hz	
SCANS	16	
ACQTM	8.2002 sec	
PD	3.0000 sec	
PVI	5.60 usec	
IRNUC	IH	
CTEMP	21.8 c	
SLVNT	DMSO	
EXREF	0.00 ppm	
BF	0.30 Hz	
RGAIN	16	





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IFC-9 1H NMR DMSO-D6

Cat. No.: 026046
Product name: 2,3-Dihydroxybenzoic acid
Lot No.: 0807045

DFILE IFC-9.ab
COMNT IFC-9 1H NMR DMSO-D6
ORNUC 1H
EXMID NON
OBFKQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PW1 5.60 usec
IRNUC 1H 21.8 c
CTEMP DMSO
SLVNT 0.00 ppm
EXREF 0.30 Hz
BF 16
RGAIN 16

