

 **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: 06-1369

Product Name: **PHENYLHYDRAZINE SULFATE**

CAS Number: [52033-74-6]

Lot Number: 1507636

Chemical Formula:  $C_{12}H_{16}N_4 \cdot H_2SO_4$

Molecular Weight: 314.36

Appearance: Dark cream powder

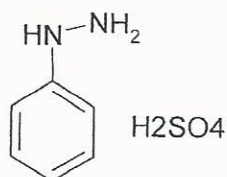
Solubility: Soluble in DMSO

TLC: Methanol (100%)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.89%





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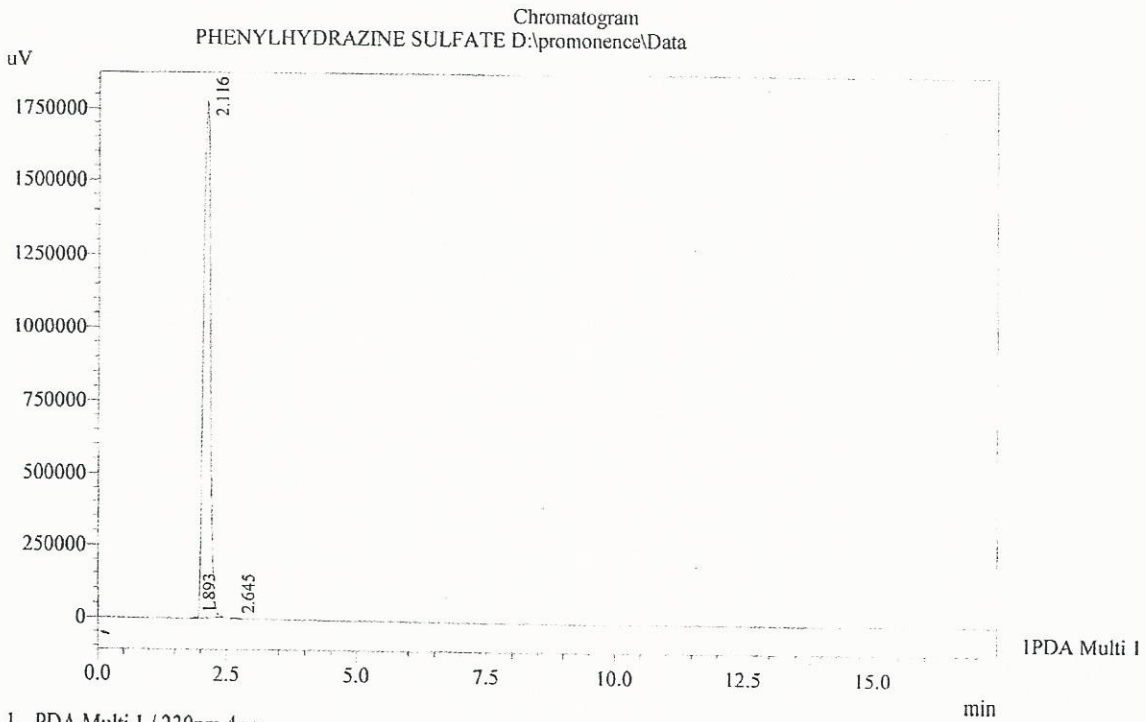
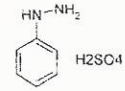
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Admin  
Sample Name : PHENYLHYDRAZINE SULFATE  
Sample ID : Lot no:1507636  
Injection Volume : 20 uL  
Data Filename : 2008150.lcd  
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 06-1369  
Product Name: Phenylhydrazine sulfate  
Lot No.: 1507636

Column : Gemini C-18(2), (250mm x4.6mm 5.0μ)  
Flow : 1.000 mL/min.  
Mobile Phase : A(30% of water) B(70% of Acetonitrile)



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:1.893	1.893	10876	0.07	0.00
2	PHENYLHYDRAZINE SL	2.116	16362214	99.89	0.00
3	RT:2.645	2.645	7426	0.05	0.00
Total			16380516	100.00	



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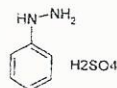
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Catalog No.: 06-1369

Product Name: Phenylhydrazine sulfate

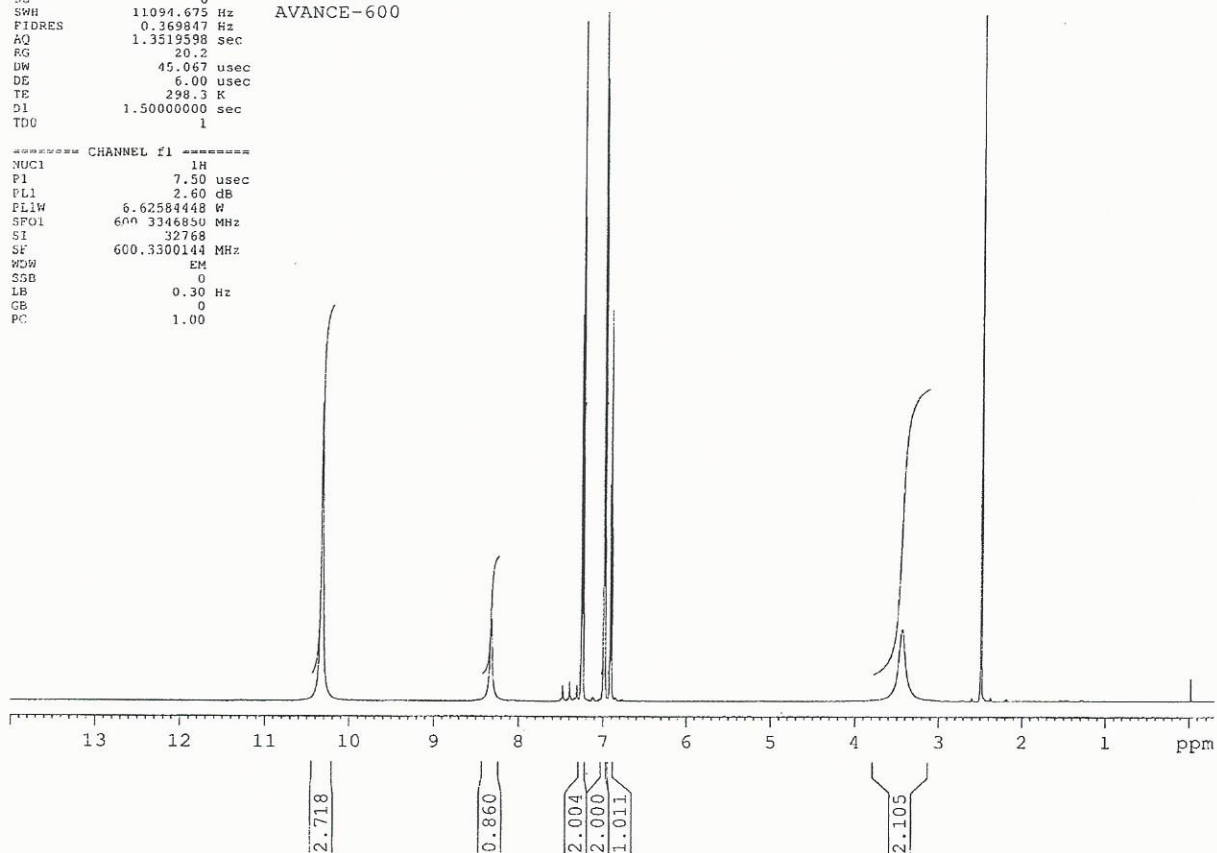
Lot No.: 1507636



SOLVENT DMSO  
NS 9  
DS 0  
SWH 11094.675 Hz  
FIDRES 0.369847 Hz  
AQ 1.3519598 sec  
RG 20.2  
DW 45.067 usec  
DE 6.00 usec  
TE 298.3 K  
SI 1.50000000 sec  
TDO 1

1H IN DMSO  
AVANCE-600

----- CHANNEL f1 -----  
NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PL1W 6.62584448 W  
SFO1 600.3346850 MHz  
SI 32768  
SF 600.3300144 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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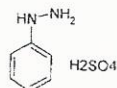
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1H IN DMSO  
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SFO1 600.3346850 MHz  
SI 32768  
SF 600.3300144 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00

