

## DI0630 Diphenylamine, EssentQ®



assay (G.C.) . . . . . min. 99 %  
 identity (IR-spectrum) . . . . . passes test  
 residue on ignition . . . . . max. 0,1 %

ART. NO.	VOLUME	CONTAINER
DI06301000	1 kg	0

## DI0633 Diphenylamine, redox indicator, ExpertQ®, for analysis, ACS



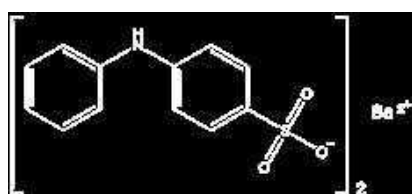
assay (titr. with HClO<sub>4</sub>) . . . . . min. 99,5 %  
 identity (IR-spectrum) . . . . . passes test  
 insoluble in C<sub>2</sub>H<sub>5</sub>OH . . . . . max. 0,01 %  
 melting point . . . . . 52,5 - 54,0 °C  
 nitrates (NO<sub>3</sub>) . . . . . passes test

iron (Fe) . . . . . max. 0,001 %  
 aniline (TLC) . . . . . max. 0,1 %  
 sensitivity to nitrates . . . . . passes test  
 residue on ignition . . . . . max. 0,03 %

ART. NO.	VOLUME	CONTAINER
DI06330100	100 g	0
DI06330250	250 g	0

## DIPHENYLAMINE-4-SULFONIC ACID, BARIUM SALT

### BA0060 Diphenylamine-4-sulfonic acid, barium salt, redox indicator, ExpertQ®, for analysis



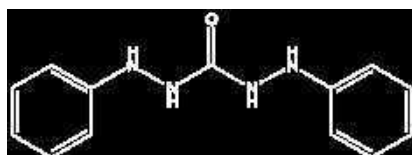
- Synonyms: Bariumdiphenylamine-4-sulfonate, 4-Anilinobenzene sulfonic acid barium salt
- C<sub>24</sub>H<sub>20</sub>BaN<sub>2</sub>O<sub>6</sub>S<sub>2</sub>
- M = 633,90 g/mol
- CAS [6211-24-1]
- EINECS-No.: 228-278-0
- Solub. in water: (20 °C): almost insoluble
- EC-Index-No.: 056-002-00-7
- ADR: 6.1 T5 III UN 1564
- IMDG: 6.1 III UN 1564
- IATA/ICAO: 6.1 III UN 1564
- GHS-signal word: Warning
- GHS-H sentences: H302 - H332
- GHS-P sentences: P261 - P264 - P270 - P304 + P340 - P330 - P501a
- Tariff number: 2921 44 00 90
- Applications: analytical chemistry, indicator, for determination of: nitrates.

identity (IR-spectrum) . . . . . passes test  
 Absorption maximum λ (in H<sub>2</sub>O) . . . . . 290 - 295 nm  
 Absorptivity (A1%/1 cm; λ max; 0,001 %, H<sub>2</sub>O, on dried sample) . . . . . 600 - 700  
 suitability as redox indicator . . . . . passes test  
 loss on drying (105 °C) . . . . . max. 5 %

ART. NO.	VOLUME	CONTAINER
BA00600005	5 g	0

## 1,5-DIPHENYL CARBAZIDE

### DI0650 1,5-Diphenylcarbazide, ExpertQ®, for analysis, ACS



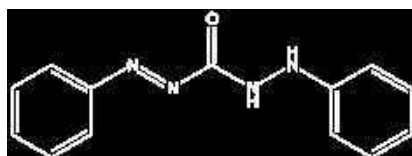
- Synonyms: 1,5-Diphenylcarbonic dihydrazide
- C<sub>13</sub>H<sub>14</sub>N<sub>4</sub>O
- M = 242,28 g/mol
- CAS [140-22-7]
- EINECS-No.: 205-403-7
- Solub. in water: (20 °C): slightly soluble
- Melting point: 170 - 172 °C
- Tariff number: 2928 00 90 90
- Applications: analytical chemistry, reagent for metals detection.

assay (HPLC) . . . . . approx. 98 %  
 identity (IR-spectrum) . . . . . passes test  
 melting point . . . . . 173 - 176 °C  
 solubility in aqueous acetone . . . . . passes test  
 insoluble in C<sub>2</sub>H<sub>5</sub>OH . . . . . passes test  
 sensitivity to chromates . . . . . passes test  
 residue on ignition . . . . . max. 0,05 %

ART. NO.	VOLUME	CONTAINER
DI06500025	25 g	0
DI06500100	100 g	0

## 1,5-DIPHENYL CARBAZONE

### DI0660 1,5-Diphenylcarbazone, ExpertQ®, for analysis



- Synonyms: Phenyl diazenecarboxylic acid 2-phenylhydrazide, Phenylazoformic acid 2-phenylhydrazide
- C<sub>13</sub>H<sub>12</sub>N<sub>2</sub>O
- M = 240,27 g/mol
- CAS [538-62-5]
- EINECS-No.: 208-698-0
- Solub. in water: (20 °C): insoluble
- Melting point: 153 - 158 °C (decomposes)
- Tariff number: 2928 00 90 90
- Applications: analytical chemistry, laboratory reagent, for the detection of: mercury.

assay (HPLC) . . . . . 35 - 40 %  
 identity (IR-spectrum) . . . . . passes test  
 melting point . . . . . 153 - 158 °C  
 solubility in acetone . . . . . passes test  
 insoluble in C<sub>2</sub>H<sub>5</sub>OH . . . . . passes test  
 residue on ignition . . . . . max. 0,1 %  
 suitability for determination of Hg . . . . . passes test

ART. NO.	VOLUME	CONTAINER
DI06600005	5 g	0

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P  
Q  
R  
S  
T  
U  
V  
W  
X  
Y  
Z