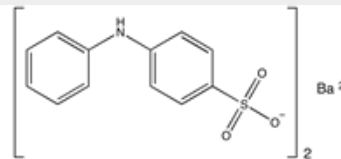


**Diphenylamine-4-sulfonic acid, barium salt, redox indicator, for analysis, ExpertQ®****Identification**

$C_{24}H_{20}BaN_2O_6S_2$   
M = 633,90 g/mol  
CAS [6211-24-1]  
EC number: 228-278-0  
Taric code: 2921 44 00

**Synonyms**

Bariumdiphenylamine-4-sulfonate, 4-Anilinobenzene sulfonic acid barium salt

**Applications**

analytical chemistry, indicator, for determination of: nitrates.

**Specifications**

identity (IR-spectrum).....passes test  
Absorption maximum  $\lambda$  (in H<sub>2</sub>O).....290 - 295 nm

Absorptivity (A1%/1 cm;  $\lambda$  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 %

**Physical data**

- Bulk density: ~ 220 kg/m<sup>3</sup>
- Solub. in water: (20 °C): almost insoluble
- pH(10 g/l H<sub>2</sub>O, 20 °C) ~ 5,9

**Safety - GHS**

**Signal Word:** Warning

**Hazard Statements:**

H302: Harmful if swallowed.  
H332: Harmful if inhaled.

**Precautionary Statements:**

P261: Avoid breathing dust / fume / gas / mist / vapours / spray.  
P264: Wash thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 6.1 T5 III • UN 1564 • BARIUM COMPOUND, N.O.S.(Diphenylamine-4-sulfonic acid, barium salt)
- IMDG: 6.1 III • UN 1564 • BARIUM COMPOUND, N.O.S.(Diphenylamine-4-sulfonic acid, barium salt)
- IATA/ICAO: 6.1 III • UN 1564 • BARIUM COMPOUND, N.O.S.(Diphenylamine-4-sulfonic acid, barium salt)
- PAX: 619
- CAO: 619
- 5°C - 30°C