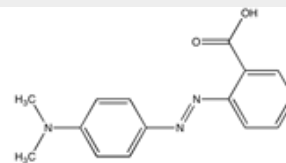


Methyl red, C.I. 13020, indicator**Identification**

$C_{15}H_{15}N_3O_2$
M = 269,31 g/mol
CAS [493-52-7]
EC number: 207-776-1
Taric code: 2927 00 00

**Synonyms**

2-[(4-Dimethylamino)phenylazo]benzoic acid

Applications

analytical chemistry, indicator.

Specifications

pH range (red-violet to brownish - yellow).....	4,5 - 6,2	Absorptivity (A1%/1 cm; λ_1 ; pH 4,5 on dried sample)	1380 - 1480
Absorption maximum λ_1 (pH 4,5).....	523 - 526 nm	Absorptivity (A1%/1 cm; λ_2 ; pH 6,2 on dried sample)	700 - 800
Absorption maximum λ_2 (pH 6,2).....	427 - 437 nm	transition range acc. ACS.....	passes test
		loss on drying (110 °C).....	max. 5 %

Physical data

- Appearance: powder, dark red
- Bulk density: ~ 300 - 500 kg/m³
- Solub. in water: (20 °C): slightly soluble
- Melting point: 178 - 182 °C

Transport/storage

- 10°C - 30°C