



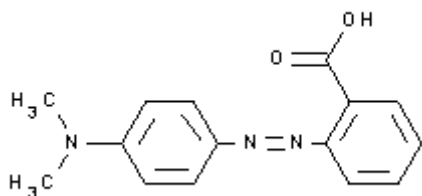
PRODUCT CODE: 131617

Methyl Red (C.I. 13020) for analysis, ACS

pH indicator 4,2 red; 6,2 yellow

$C_{15}H_{15}N_3O_2$

$C_{15}H_{15}N_3O_2$



M.= 269,31

CAS [493-52-7]

EINECS 207-776-1

TARIC 2927 00 00 90

SYNONYMS: 2-[4-(Dimethylamino)Phenylazo]Benzoic Acid, AcidRed 2

PHYSICAL DATA: crystalline powder, Red or violet, Soluble in water 0,1 g/l at 20 °C Soluble in alcohol 2 g/l M.P.: 179 °C •

BIBLIOGRAPHY: Merck Index **12**, 6.199 13, 6.142 Sax **CCE**500 • Conn's **IX** 98 • Beilstein **16** , **329** • BRN 750102 • ACS **XI** •

HAZARDOUS: RTECS: DG 8960000 • TDLo oral rat 12.000 mg/kg •

SPECIFICATIONS:

Identity :
Identity

IR passes test

A 1% , 1 cm, λ 1 max.(calc. a.d.s.)	>1500
A 1% , 1 cm, λ 2 max.(calc. a.d.s.)	>670
A 1% , 1 cm, λ 3 max.	>750
λ_1 of max. ABS at pH 4.2	525 - 528 nm
λ_2 of max. ABS at pH 6.2	430 - 434 nm
λ_3 of max. ABS in C ₂ H ₅ OH	490 - 495 nm
Melting range	179-182°C
Range of Transition interval according to ACS	passes test
T.L.C.	passes test

Maximum limit of impurities

pH transition interval:

yellow

6,2

red

4,2

Insoluble matter in C₂H₅OH

passes test

Loss on drying at 110°C

5%

Residue on ignition (as SO₄)

2 %