

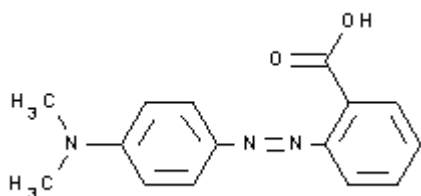


**PRODUCT CODE: 131617**

**Methyl Red (C.I. 13020)(Reag. USP, Ph. Eur.) for analysis, ACS**  
pH indicator 4,2 red; 6,2 yellow

C<sub>15</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>

C<sub>15</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>



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 **CCE500** • 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

A 1% , 1 cm, λ 1 max.(calc. a.d.s.)

A 1% , 1 cm, λ 2 max.(calc. a.d.s.)

A 1% , 1 cm, λ 3 max.

IR passes test

>1500

>670

>750

|                                                             |              |
|-------------------------------------------------------------|--------------|
| $\lambda_1$ of max. ABS at pH 4.2                           | 525 - 528 nm |
| $\lambda_2$ of max. ABS at pH 6.2                           | 430 - 434 nm |
| $\lambda_3$ of max. ABS in C <sub>2</sub> H <sub>5</sub> 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 C <sub>2</sub> H <sub>5</sub> OH | passes test |
| Loss on drying at 110°C                              | 5%          |
| Residue on ignition (as SO <sub>4</sub> )            | 2 %         |