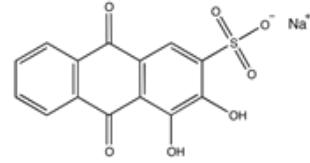


Alizarin red S, C.I. 58005, for analysis, ExpertQ®

Identification

C₁₄H₇NaO₇S
M = 342,25 g/mol
CAS [130-22-3]
EC number: 204-981-8
Taric code: 3204 12 00

**Synonyms**

Sodium alizarinsulfonate, Alizarin carmine, 1,2-Dihydroxyanthraquinone-3-sulfonic acid sodium salt, Alizarin sulfonic acid sodium salt

Applications

analytical chemistry, indicator.

Specifications

| | | | |
|--|--------------|---|-------------|
| pH range (yellow to purple-red) | 3,7 - 5,2 | Absorptivity (A1%/1 cm; λ _{max} 1, NaOH 0,1 M) | 305 - 480 |
| identity (IR-spectrum)..... | passes test | Absorptivity (A1%/1 cm; λ _{max} 2, NaOH 0,1 M) | .330 - 520 |
| insoluble in water..... | passes test | related substances (TLC)..... | passes test |
| Absorption maximum λ ₁ (NaOH 0,1 M) | 592 - 596 nm | loss on drying (135 °C) | max. 5,0 % |
| Absorption maximum λ ₂ (NaOH 0,1 M) | 553 - 558 nm | suitability for microscopy..... | passes test |
| | | sensitivity to Aluminium..... | passes test |

Physical data

• Appearance: powder, brown

Transport/storage

• 10°C - 30°C