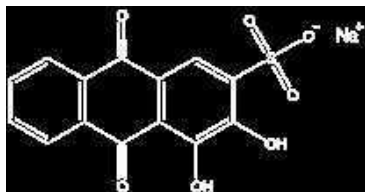


ALIZARIN RED S, C.I. 58005

RO0070 Alizarin red S, C.I. 58005, ExpertQ®, for analysis



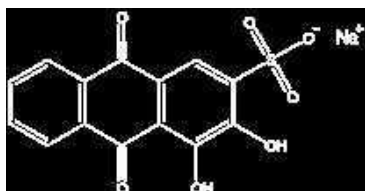
- Synonyms: Sodium alizarinsulfonate, Alizarin carmine, 1,2-Dihydroxyanthraquinone-3-sulfonic acid sodium salt, Alizarin sulfonic acid sodium salt
- $C_{14}H_7NaO_5S$
- $M = 342,25 \text{ g/mol}$
- CAS [130-22-3]
- EINECS-No.: 204-981-8
- Tariff number: 3204 12 00 90
- Applications: analytical chemistry, indicator.

pH range (yellow to purple-red) 3,7 - 5,2
 identity (IR-spectrum) passes test
 insoluble in water passes test
 Absorption maximum λ_1 (NaOH 0,1 M) 592 - 596 nm
 Absorption maximum λ_2 (NaOH 0,1 M) 553 - 558 nm
 Absorptivity (A1%/1 cm; $\lambda_{\text{max}1}$, NaOH 0,1 M) 305 - 480
 Absorptivity (A1%/1 cm; $\lambda_{\text{max}2}$, NaOH 0,1 M) 330 - 520
 related substances (TLC) passes test
 loss on drying (135°C) max. 5,0 %
 suitability for microscopy passes test
 sensitivity to Aluminium passes test

ART. NO.	VOLUME	CONTAINER
RO00700025	25 g	0
RO00700100	100 g	0

ALIZARIN RED S, SOLUTION 0,1%

RO0071 Alizarin red S, solution 0,1%



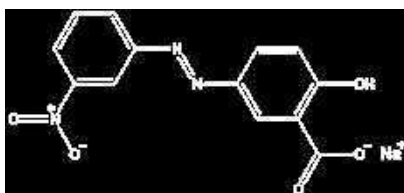
- Synonyms: Sodium alizarinsulfonate, Alizarin carmine, 1,2-Dihydroxyanthraquinone-3-sulfonic acid sodium salt, Alizarin sulfonic acid sodium salt
- $C_{14}H_7NaO_5S$
- $M = 342,25 \text{ g/mol}$
- CAS [130-22-3]
- EINECS-No.: 204-981-8
- Density: 0,947 g/cm³
- Solub. in water: (20 °C): miscible
- Tariff number: 3822 00 00 00
- Applications: analytical chemistry, laboratory reagent, titrant in volumetric analysis.

pH range (yellow to purple-red) 3,7 - 5,2

ART. NO.	VOLUME	CONTAINER
RO00710100	100 ml	0

ALIZARIN YELLOW GG, C.I. 14025

AM0025 Alizarin yellow GG, C.I. 14025, indicator



- Synonyms: 2-Hydroxy-5[(3-nitrophenyl)azo]benzoic acid monosodium salt, Mordant yellow 1
- $C_{13}H_8N_2NaO_5$
- $M = 309,21 \text{ g/mol}$
- CAS [584-42-9]
- EINECS-No.: 209-536-1
- Solub. in water: (25 °C): ~ 12 g/l
- Tariff number: 3204 19 00 90
- Applications: indicator and for microbiology.

pH range (yellow-orange) 10,2 - 12,1
 Absorption maximum λ_1 (pH 10,2) 350 - 355 nm
 Absorptivity (A1%/1 cm; λ_1 , pH 10,2, on dried sample) 620 - 720
 Absorption maximum λ_2 (pH 12,1) 448 - 452 nm
 Absorptivity (A1%/1 cm; λ_2 ; pH 12,1 on dried sample) 800 - 900
 suitability for microbiology passes test
 loss on drying (110°C) max. 1 %

ART. NO.	VOLUME	CONTAINER
AM00250010	10 g	0

ALUMINIUM

AL0760 Aluminium, powder, EssentQ®



- Al
- $M = 26,98 \text{ g/mol}$
- CAS [7429-90-5]
- EINECS-No.: 231-072-3
- Solub. in water: (20°C): insoluble
- Melting point: 660°C
- Boiling point: 2467°C
- Ignition temp.: ~ 400°C
- EC-Index-No.: 013-001-00-6
- ADR: 4.3 W2 II UN 1396
- IMDG: 4.3 II UN 1396

- IATA/ICAO: 4.3 II UN 1396
- GHS-signal word: Danger
- GHS-H sentences: H250 - H261
- GHS-P sentences: P210 - P222 - P231 + P232 - P280 - P422a - P501a
- Tariff number: 7603 10 00 00
- Applications: in explosive compositions, photography, synthesis of organic products, metal alloys, for the synthesis of: inorganic salts.

assay min. 99 %

ART. NO.	VOLUME	CONTAINER
AL07600250	250 g	0
AL07601000	1 kg	0
AL0760005P	5 kg	0