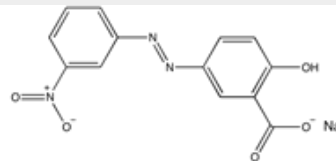


Alizarin yellow GG, C.I. 14025, indicator

Identification

$C_{13}H_8N_3NaO_5$
M = 309,21 g/mol
CAS [584-42-9]
EC number: 209-536-1
Taric code: 3204 19 00

**Synonyms**

2-Hydroxy-5[(3-nitrophenyl)azo]benzoic acid monosodium salt, Mordant yellow 1

Applications

indicator and for microbiology.

Specifications

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

Physical data

- Appearance: powder, brown
- Bulk density: ~ 520 kg/m³
- Solub. in water: (25 °C): ~ 12 g/l
- pH(10 g/l H₂O, 25 °C) ~ 7,9

Transport/storage

- 5°C - 30°C