

# Product Information

## Specification Sheet

### Acid fuchsin

#### Product Information

Product Name	: Acid fuchsin
Synonym	: Fuchsin acid
Molecular Formula	: C <sub>20</sub> H <sub>17</sub> N <sub>3</sub> Na <sub>2</sub> O <sub>9</sub> S <sub>3</sub>
Molecular Weight	: 585.54
CAS No.	: 3244-88-0
EC No.	: 221-816-5
HS Code	: 3212 90 00
Colour Index No.	: 42685
Shelf Life	: 5 years

#### Technical Specification

Appearance	: Olive to dark olive green crystals or powder with metallic sheen
Solubility	: 20 ppm in acidified water yields clear red solution
Visual pH transition	: pH 12 (red ) to pH 14 (colourless)
Absorption maximum 1	: 540 - 550nm (20 ppm in acidified water)
Absorption maximum 2	: 283 - 293nm (20 ppm in acidified water)
Absorption maximum 3	: 205 - 215nm (20 ppm in acidified water)
Molar absorptivity 1	: >= 50000 (20 ppm in acidified water at 540 - 544nm)
Molar absorptivity 2	: >= 12000 (20 ppm in acidified water at 283 - 293nm)
Molar absorptivity 3	: >= 40000 (20 ppm in acidified water at 205 - 215nm)
Loss on drying (at 110°C, 2 hrs.)	: <= 10.0%
Dye content	: ~60%
Storage Temperature(°C)	: Store below 30°C

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