# Specification sheet

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|---|---|---|---|
| **Product name:** | Orange G | **Formula:** | $C_{16}H_{10}N_2Na_2O_7S_2$ |
| **Product code:** | 1B-221 | **Molar mass:** | 452,38 g/mol |
| | | **C.I. number:** | 16230 |
| **Lot number:** | --- | **CAS number:** | 1936-15-8 |
| **Shelf life:** | max. 60 months | **Storage:** | + 5 °C to 25 °C |

| parameter | specification values |
|---|---|
| **appearance** | fine powder |
| **colour** | red-orange |
| **absortion maximum $\lambda_{max}$ (water)** | 470 – 480 nm |
| **absorbance A (at λmax; c=20mg/l in water; 1 cm)** | >0,3 |
| **soluble in Water** | yes |
| **soluble in Ethanol** | yes |
| **soluble in Methanol** | hardly soluble |
| **loss on drying at 110 °C** | max 25 % |
| **suitability for microscopy** | yes |
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