

SPECIFICATION

Product : **FLUORESCEIN** **Page 1 / 1**
Product no. : **0270103000** **Version 5** **valid from: 01/08**
Pharmacopoeia: **DAB 10 = Fluorescein RN Reagent / USP 30**
Manufacturer : **Dr. Bohne & Co. KG, Schwelm, Germany**
Synonyme : **Resorcinphthalein; CI 45350d; Acid Yellow 73 (INCI); D&C Yellow No.7 (INCI); 9-(2-Carboxyphenyl)-6-hydroxy-3-(3H)-xanthenon; 2-(6-Hydroxy-3-oxo-3H-xanthen-9-yl)benzoic acid (IUPAC); Phenyl-2-oxyfluoron-2-carbonic acid; Solvent yellow 94; Dioxyfluoran; Yellow No.201**
CAS-No. : **2321-07-5** **RETCS LM 5075000**
ABDATA : **051130** **NIOSH** : **LM 507 5000**
ASK-No. : **13054** **Formula** : **C₂₀H₁₂O₅**
EINECS : **219-031-8** **Mol.-Weight** : **332,32**

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Controls	Specification	Method
Description	Reddish brown powder, odourless	
Solubility	insoluble in water; very slightly soluble in hot water, acetic acid and ether; slightly soluble in ethanol; soluble in hot acetone, hot ethanol and diluted alkali hydroxides	
Melting point	314 - 316° C	PH.EUR. 6.0 - 2.2.14
Loss on drying	max. 1 %	PH.EUR. 6.0 - 2.2.32d
Zinc	max. 5 ppm	USP 30
Acriflavine	acc. to the requirements of USP 30	USP 30
PH-value (2%)	7-9	PH.EUR. 6.0 – 2.2.3
Resorcinol	max. 0,5 % (fluorescein Sodium)	HPLC
Assay	97 – 102 %	PH.EUR. 5.0 – 2.2.25 (method for Fluorescein Sodium)
Residual solvents	according PH.EUR. 6.0 – 5 4	PH.EUR. 6.0 – 2.4.24