Specification

Bilirubin pure A1561

origin	from porcine
Formula	$C_{33}H_{36}N_4O_6$
M	584.68 g/mol
CAS-No.:	635-65-4
HS-No.:	29337900
EC-No.:	211-239-7
Storage:	-20°C
LGK:	10 - 13
WGK:	1
Specification	
Ash	max. 0.2 %
Solubility (H_2O; 20°C)	nearly insoluble
Total N	8.5 - 9.8 %
Loss on drying	max. 2 %

Literature

(1) Petryka, Z.J. & Watson, C.J. (1968) *J. Chromatography* **37**, 76-82 Separation of bile pigments by thin layer chromatography.
(2) Khan, M.M. *et al*. (1998) *J. Biochem. Biophys. Methods* **37**, 47-52 Visualization of serum albumin in electrophoresis gels with bilirubin.

Comment

Bilirubin specifically binds to serum albumin. This allows the visualization of albumin as a yellow band without further staining during electrophoresis. The sensitivity is approx. 20 µg albumin. The mobility will not be influenced (2). A stock solution of bilirubin has been prepared in 5 mM NaOH/1 mM EDTA and diluted with 25 mM Tris-Glycine buffer (pH 8.3). The bilirubin concentration has been determined by spectrophotometry with the molar absorption coefficient of 47500 M^{-1} cm^{-1} at 440 nm.