

Technical Data Sheet

Sodium deoxycholate for microbiology

Catalogue number: 106504

Description

Sodium deoxycholate, the sodium salt of deoxycholic acid, is a white crystalline powder that is soluble in water. It is derived from animal (bovine) sources. The bile salt is used as selective agent in microbiological culture media. It acts by inhibiting the growth of Gram-positive bacteria, thereby aiding in the isolation and differentiation of Gram-negative bacteria.

Additionally, thanks to its properties, sodium deoxycholate is employed as an active component in cosmetics as well as for pharmaceutical applications.

Typical Analysis

Assay (perchloric acid titration, calculated on dried substance)	≥ 98.5%
Identity (IR-spectrum)	passes test
pH-value (2%; water)	7.5 – 9.5
Spec. rotation (α 20/D; 2%; water; calc. on dried substance)	+46 - +46°
TLC-Test	passes test
Cholic acid (TLC)	≤ 2.0
Loss on drying (TG)	≤ 6.0
Suitability for microbiology	passes test

Ordering Information

Product	Cat. No.	Pack content
Sodium deoxycholate for microbiology	1065040250	0.25 kg
	1065042500	2.50 kg

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