

CERTIFICATE OF ANALYSIS

PRODUCT: **CHAPS, 10% Sterile Filtered Solution**
[3-[(3-Cholamidopropyl) dimethylamino]-
1-propanesulfonate]
C₃₂H₅₈N₂O₇S, M.W. 614.89, CAS# [75621-03-3]

PRODUCT NUMBER: C-1020

LOT NUMBER: K1197

SOLUTION: 10% w/v in H₂O (Sterile filtered)

APPEARANCE: Clear colorless solution

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
ASSAY (HPLC, dried basis):	≥ 98.0%	99.3%

TLC (Silica gel: methanol/NH ₄ OH = 95/5):	One spot	One spot
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DESCRIPTION: CHAPS 10% Solution is a non-denaturing, zwitterionic detergent which is derived from cholic acid. It is primarily used for membrane permeabilization of cells and for protein solubilization in isoelectric focusing. CHAPS 10% Solution is used as a denaturing buffer component in enzyme characterization and 2D- sample buffer component in 2D electrophoresis. CHAPS 10% Solution is also useful in ion exchange chromatography and isoelectric focusing as it is zwitterionic and does not exhibit a net charge between pH 2 to 12.

STORAGE & HANDLING: Store refrigerated at +4°C.

WARNING: HARMFUL!

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KS