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Yeast Extract

—A water-soluble, peptone-like derivative of yeast cells (*Saccharomyces*) prepared under optimum conditions, clarified, and dried to a reddish-yellow to brown powder, having a characteristic but not putrescent odor. Soluble in water, forming a yellow to brown solution, having a slightly acid reaction. Contains no added carbohydrate.

[Loss on Drying \(731\)](#)

Analysis: Dry at 105° to constant weight.

Acceptance criteria: NMT 6%

Residue on Ignition (Reagent test)

Analysis: Ignite 500 mg with 1 mL of sulfuric acid

Acceptance criteria: NMT 75 mg (15.0%)

Chloride (Reagent test): NMT 5% of chloride (Cl), calculated as sodium chloride

Nitrogen Content (Reagent test)

Analysis: Determine by the Kjeldahl method, previously dried at 105° to constant weight.

Acceptance criteria: 7.2%–13.0% of N is found.

Microbial Content: NMT 10⁴ cfu/g

Amino Nitrogen: 6.0%–6.9%

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
YEAST EXTRACT	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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