

THYROID

Description

Thyroid is the cleaned, dried and powdered thyroid gland previously deprived of connective tissue and fat. It is a brown to light brown colored powder derived from porcine thyroid glands and contains thyroid hormones Liothyronine (T₃) and Levothyroxine (T₄). The powder is diluted with lactose to a 1X USP strength. Thyroid glands are gathered in the United

States in accordance with United States Department of Agriculture regulations. Thyroid, USP is manufactured in conformity with FDA Current Good Manufacturing Practice regulations and meets all declared standards, assays, and other specifications of the current version of the United States Pharmacopeia Monograph for Thyroid.

Uses

Thyroid can be used as replacement or supplemental therapy for humans with hypothyroidism.

Specifications

Liothyronine (T ₃)	8.6 – 9.9 µg/ 65 mg of Thyroid ¹
Levothyroxine (T ₄)	36.1 – 41.8 µg/ 65 mg of Thyroid ¹
Identity by HPLC	Conforms
Limit of Inorganic Iodide	Less than 0.01%
Loss on Drying	Not More than 6.0%
Residual Solvents	Not More than 0.5%
Total Aerobic Microbial Count	Not More than 2,000 CFU/g
Total Yeast and Molds Count	Not More than 200 CFU/g
Salmonella	Negative
Escherichia coli	Negative

¹ Commonly referred to as 1X USP Strength.

Certification

Each lot is analyzed at the time of manufacture in accordance with the USP monograph for Thyroid. Other test results, customized product specifications,

and compliance documentation may be available upon request. Minimally, a Certificate of Analysis and Material Safety Data Sheet accompany each order.

Packaging

Routinely packaged in poly-liners inside heat-sealed foil pouches inside a fiber or poly drum.

Storage

Preserved in airtight containers. Store up to 25°C (77°F); excursions permitted between 15°C and 30°C (59°F and 86°F).