

## Certificate of Analysis

Product name	<b>Nicotine ditartrate dihydrate</b> CAS No.: 6019-06-3
Production date	25.01.2024
Expiration date*	25.01.2025
Batch number	25/01/2024

\* - If stored properly

<b>Physical appearance:</b>	white powder
<b>Nicotine content min:</b>	32,39% v/v corresponding to 323,9mg/g (max. content: 32,55%)
<b>L-(+)- Tartrate acid content min:</b>	60,03% v/v corresponding to 600,3mg/g (max. content: 60,22%)
<b>Water content min:</b>	7,16% v/v corresponding to 71,6 mg/g (max. content: 7,23%)
<b>Nicotine detartrate dihydrate content min:</b>	99,9% v/v corresponding to 999mg/g (max content: 100%)

### Ingredients

	<b>L-(+)- Tartrate acid</b>	<b>Nicotine (pharmaceutical purity USP)</b>
<b>Production date</b>	12.12.2022	23.01.2024
<b>Expiration date</b>	11.12.2025	23.01.2025
<b>Batch number</b>	YC2212045	UD4 230124
<b>Purity, %</b>	99,9	Conform

Ingredients (nicotine and acid) use for the synthesis of the salt comply with the standards of European Pharmacopoeia.

To solve in propylene glycol, put in to the glycol and heat to 40-50°C. Avoid exposure to air and to temperature higher than 50°C.

When solved in PG, slight discoloration of the solution is possible and normal.

Nicotine ditartrate dihydrate in concentration higher than 100 mg/ml may precipitate, especially in temperature below 10 °C.

Note: upon exposure to air and/or light, the salt may change the colour to yellow or pale pink.

Notice: packed in inert gas atmosphere – argon.

Storage: stored below 25°C in dark place, keep away from oxygen, oxidizing agents or air. If possible store below 0°C to avoid discoloration and oxidation.

Quality Assurance Department