

## Certificate of Analysis

Product name	<b>Nicotine malate</b> CAS No.: 73057-36-0
Production date	01.02.2024
Expiration date*	01.02.2025
Batch number	01/02/2024

\* - If stored properly

<b>Physical appearance:</b>	white powder
<b>Nicotine content min:</b>	54,48% v/v corresponding to 544,8mg/g (max. content: 54,75%)
<b>Malic acid content min:</b>	44,80% v/v corresponding to 448,0 mg/g (max. content: 45,25%)
<b>Nicotine malate content min:</b>	99,3% v/v corresponding to 993,0mg/g (max content: 100%)

### Ingredients

	<b>Malate acid</b>	<b>Nicotine (pharmaceutical purity USP)</b>
<b>Production date</b>	12.12.2022	24.01.2024
<b>Expiration date</b>	11.12.2024	24.01.2025
<b>Batch number</b>	23578	24/01/24
<b>Purity, %</b>	99,9	Conforms

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 the glycol and heat to 40-50 °C. Avoid exposure to air, avoid exposure to temperature higher than 50°C.

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

Nicotine malate 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