



Edition: BP 2025 (Ph. Eur. 11.6 update)

## Sodium Bicarbonate Ear Drops

### [General Notices](#)

### DEFINITION

Sodium Bicarbonate	5 g
Glycerol	30 mL
Purified Water, freshly boiled and cooled	Sufficient to produce 100 mL

### Extemporaneous preparation

The following directions apply.

Dissolve the Sodium Bicarbonate in about 60 mL of Purified Water, add the Glycerol and sufficient Purified Water to produce 100 mL and mix.

Sodium Bicarbonate Ear Drops should be recently prepared.

*The ear drops comply with the requirements stated under Ear Preparations and with the following requirements.*

### Content of sodium bicarbonate, NaHCO<sub>3</sub>

4.75 to 5.25% w/v.

### [Weight per mL](#)

1.10 to 1.12 g, [Appendix V G](#).

### ASSAY

To 5 mL add 20 mL of [water](#) and titrate with [0.1M hydrochloric acid VS](#) using [methyl orange-xylene cyanol FF solution](#) as indicator. Each mL of [0.1M hydrochloric acid VS](#) is equivalent to 8.401 mg of NaHCO<sub>3</sub>.