



## SULPHAMATE NICKEL

Although the standard Watts nickel plating bath dominates the scenario, for certain properties of the nickel coating, other types of baths are used. In order to achieve high ductility of the coated nickel, nickel sulphamate baths are used. Our nickel sulphamate baths are in use since more than 10 years.

### Bath composition

The following are the ingredients needed to prepare 1 Litre of the bath:

Nickel sulphamate plating solution -100 g/L Ni	600 mL
Boric acid	40 g/L
Nickel additive (for sulphamate)	8 mL

The concentration of nickel in the bath can range from 55 to 65 g/L.

### Bath parameters

Temperature 50°C to 60°C

pH 3.8 to 4.2

The pH can be adjusted with sulphamic acid or caustic soda

Continuous filtration of the solution is recommended

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### Bath analysis

The method of analysis used of Watts bath can be employed here for estimating the concentrations of nickel and boric acid.

*Warranty: The above information has been given in good faith and based on our knowledge, information and experience. RRR has no control over the goods once it leaves our premises. All chemicals, including those which are not classified as hazardous, must be treated with proper care and all necessary precautions for handling and disposing of chemicals must be followed. No liability arises out of handling or use.*

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