

	TECHNICAL SHEET	CODE: FT-ID-01
		VERSION: 1
		DATE: 08/01/2021

BN 83 ALLBRITE/ BN 2010 ALLBRITE

BRIGHT NICKEL PROCESS WITH GREAT LEVELING POWER

1. OVERVIEW

BN 83 ALLBRITE / BN 2010 ALLBRITE, is a process that meets the widest range of needs in the field of Brilliant Nickel Plating, which has as advantages, to be able to obtain Nickel coatings with high leveling and gloss with only 3 or 4 microns of Nickel where a very demanding corrosion protection is not required, otherwise, the times to achieve it can be increased, this being one of the most outstanding characteristics of the BN 83 ALLBRITE / BN 2010 ALLBRITE, allowing decreasing leveling starting with a rate of 10% per micron, obtained within very broad parameters of temperature and concentration, guaranteeing very good ductility. Even with excessive concentrations of BN 83 ALLBRITE / BN 2010 ALLBRITE, it does not generate harmful decomposition products. **A:** N/A

IMO: N/A

2. OPERATING CONDITIONS

Temperature	55 - 60 °C
Current Density	2 - 6 Amp/dm ²
Drum Voltage	10 - 15 V
Static	4 - 6 V

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pH	4.1 - 4.4
Filtration	Go on.
Agitation	Mechanical or Air

3. PHYSICO-CHEMICAL SPECIFICATIONS

Fitness	Liquid
Color	Colorless/Yellow
Density	1.02 – 1.06
pH	3.5 – 4.5
Solubility in water	Complete
Chemical Nature	Acid

1. BATH FORMULATION

Nickel Sulfate	300 g/l
Nickel Chloride	60 g/l
Boric Acid	50 g/l
BN 83 BASE / BN BASE PLUS	40 cc/l

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BN 83 ALLBRITE / BN 2010 ALLBRITE	2 cc/l
NIVET (Cathodic Agitation)	3 cc/l
NIVET AGITAIRE (Air Agitation)	3 cc/l

2. MAINTENANCE OF ADDITIVES

The consumption of BN 83 ALLBRITE/BN 2010 ALLBRITE under normal conditions will be 1.5 to 3 liters per 10,000 Amp/hour. BN 83 BASE / BN BASE PLUS does not require permanent additions, however, periodic checks are advisable in order to avoid an increase in the consumption of the maintenance additive and obtain the greatest uniformity, leveling and ductility. Under normal conditions the consumption will be 1.8 to 2.8 liters per 10,000 Amp / hour.

3. CONVERSION OF OTHER RINSE AIDS

THE BN 83 ALLBRITE / BN 2010 ALLBRITE is supremely versatile and compatible with most known modern nickel plating processes, but for your convenience, we recommend a conversion analysis by our Laboratory before starting its use.

4. EQUIPMENT

Tanks: Polypropylene the P.V.C

Resistors: Titanium or Teflon.

Anodes: Electrolytic Nickel in Coins or Pellets.

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1. PRECAUTIONS AND WARNINGS

Avoid contact with eyes and direct inhalation, otherwise wash with plenty of water for 15 minutes. If the reaction persists, consult your doctor. Do not eat food during product handling. Keep out of reach of children and pets.

2. STORAGE CONDITIONS

Store in a cool, dry, ventilated place. Keep closed in its original container, away from sunlight and preferably from any other source of light and heat of long exposure.

3. MANUFACTURED

BYCSA SA. Barbosa (Plant): Corregimiento Popalito. Finca Los Búcaros km 8 Via a Porce. PHONE: (574)4682016

4. CONTACT US

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5. CONTENT UPDATE

Date	Changes made	Responsible	Area
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20/05/2022	Upgrading to a new format	Ana Sofia Valencia Ortega	Quality Control

6. REVISION OF THE DOCUMENT

Date	Revised	Responsible	Area
23/05/2022	Upgrading to a new format	Quality Coordinator	Quality Control

CONTROL OF THE DOCUMENTED INFORMATION

NUMBER	CODE	DATE	VERSION	DESCRIPTION
Technical	FT-ID-01	08/01/2021	1	Creating the document

PREPARED BY	REVIEWED BY	APPROVED BY
Luis Miguel Caicedo Jimenez	Luz Bibiana Sánchez Henao	Isabel Cristina López Arteaga



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