

CS-100 碱性除油粉

CS-100 Alkaline Degreasing Powder

一、 Introduction

CS-100 electrolytic degreasing powder is a high-performance, durable, and low-chemical oxygen demand (COD) hot-dip/electrolytic degreaser. It is suitable for the initial degreasing of iron and copper substrates, and is applicable to high-speed electroplating and connector applications. It is recommended to use anodic electroplating degreasing as much as possible. The low chemical oxygen demand (COD) characteristic of CS-100 electrolytic degreasing powder makes sewage treatment easier and reduces costs.

二、 Operating Parameters

Required Chemicals	Operating Range	
	Operating Range	Recommended Parameters
CS-100 Alkaline Degreasing Powder	60-100 g/l	80 g/l
Temperature	60-90°C	
Stirring	Vigorous mechanical stirring	
Time	5-30 sec	10 sec
Current Density	5-30 ASD	10 ASD

四、 Bath Preparation and Replacement

1. Add an appropriate amount of deionized water to the plating tank, slowly add sodium hydroxide, and heat to 35° C;
2. Slowly add CS-100 alkaline degreasing powder, and keep stirring until it is completely dissolved;
3. Replenish with deionized water to the required liquid level.

五、 Equipment:

Plating tank: Iron, stainless steel, equipped with an ultrasonic device with adjustable wavelength is better.

Heater: Stainless steel or PTFE-lined heater

Rectifier: Depending on actual application

六、Working Solution Concentration Analysis and Maintenance

Required Instruments

5ml pipette;
250ml conical flask;
50ml burette;
50ml measuring cylinder;

Required Chemicals;

Methyl orange indicator;
0.5 M hydrochloric acid standard solution;

Titration Procedure;

- 1, Pipette 5ml of the sample solution into a 250ml conical flask.
- 2, Add 50ml of distilled water.
- 3, Add 5-6 drops of methyl orange indicator.
- 4, Titrate with 0.5 M hydrochloric acid standard solution until the solution turns red as the end point.

Calculation

$$\text{CS-100 content (g/L)} = \text{Volume of hydrochloric acid standard solution consumed (ml)} \times \text{Molarity} \times 10.73$$

Notes: In the case of high-speed electroplating (Reel-To-Reel) with large liquid carry-over, it is recommended to add 5% of the initial tank volume of CS-100 alkaline degreasing powder every 12 working hours.

七、Material Management and Precautions:

Before using this product, please carefully read the Material Safety Data Sheet to understand the safety details and hazardous properties of the material, including the storage method of the product and environmental protection management policies.

Any user must take full responsibility to ensure that all waste liquid discharge and the management and disposal of used empty barrels fully comply with local legal requirements, including any discharge standards and regulations.

八、Product Information

Product Number	Product Name	Purpose	Packaging Quantity
10010001	CS-100 Alkaline Degreasing Powder	Perform electrolytic degreasing on metal surfaces	20 KG/bag

Version A 2016-8-10
A 版 2016-8-1