

LH-67SG Specialized Adsorption Resin for Stevia Glycosides

Product Overview

LH-67SG macroporous adsorption resin is a copolymer of divinylbenzene and methyl acrylate. This product features high exchange capacity, small volume change, high mechanical strength, excellent chemical stability, contamination and oxidation resistance, and fast exchange rate. It is widely applied in the extraction and separation of stevia glycosides, and also achieves remarkable effects in the treatment of chemical and industrial wastewater/waste liquid, as well as the recovery and purification of chemical products.

Technical Specifications

Property	Specification
Appearance	Milky white to light yellow opaque spherical beads
Adsorption Capacity for Stevia (mg/g)	≥9
Particle Size Range	0.3~1.25mm (20~60 mesh) ≥90%
Wet Bulk Density (g/ml)	0.65~0.75
Moisture Retention (%)	65~75

Product Characteristics

1. The milky white to light yellow appearance facilitates operation, making it easy to observe the separation and purification of colored organic compounds.
2. Stable physicochemical properties, insoluble in any acids, alkalis and organic solvents, enabling flexible selection of adsorbents and desorbents. High temperature resistance, applicable at temperatures below 150°C.
3. Good selectivity for organic compounds, unaffected by the presence of inorganic salts (e.g., removal of higher fatty acid esters in alcoholic beverages).
4. Easy regeneration; regenerants can be water, dilute alkali, dilute acid or low-boiling point organic solvents (e.g., methanol, ethanol, acetone).
5. Moderate mechanical strength and long normal service life.

Notes

1. This resin has a high moisture content. Store and transport it at a temperature of 5—40°C to prevent bead cracking

at low temperatures and mildew growth at high temperatures, which may affect its use.

2. If the resin loses water due to exposure to air or other reasons, do not add water directly to avoid floating. Impregnate it with ethanol to restore its wet state, then rinse it thoroughly with water.

3. Industrial-grade commercial resin must be pretreated before use; purified resin can be used directly. For safety, it can be soaked and rinsed with ethanol or double distilled water once before use.

Packaging

Packed in PE bags with an inner plastic liner, 25kg per bag.