

Liquid liquid extraction and recovery Référence : ELA/3000



Liquid-Liquid extraction process without inflammable solvent or organic compounds

Phase recovery by volatile adsorption process

2 units coupling:

Stirred liquid-liquid extraction

Liquid solid adsorption

GENERAL SPECIFICATIONS

- 2 peristaltic pump, integrated on/off.
- 2 Glass decanter.
- Glass column.
- Stirring shaft, made of 27 SS Rushton type stirrers, variable frequency motor.
- 4 sampling ports.

Dim (extraction): 140 x 60 x 240 cm – 120 kg SS tubular framework 40 x 40mm

Categories: Chemical processing Educational Engineering Extraction

Reference: ELA/3000

DESCRIPTION

Extraction process

On the base of a stirred liquid-liquid extraction process, this column allowed to extract the methylene blue solved in a saline aqueous solution by a polymer solution. The polymer enrich in methylene blue can be regenerate by an adsorption process

who fixed the extract methylene blue.

Clean process delivered with reageants kit

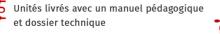
Aqueous solvent only Recycling solutions Safe and biodegradable

Use of a ternary diagram

Mass balance

Determination of the column efficiency





Possibilité d'adapter les unités à vos besoins



Mise en service, formation des formateurs

Pignat SAS - 6, Rue Calmette - BP 11 - 69741 Genas Cedex - France - Email : pignat@pignat.com Tél : (33) 04 78 90 50 03 - Fax : (33) 04 78 90 63 88 - SAS au capital de 158 472 € - Code APE 333Z - RC Lyon B 966 504 904