

**Jungbunzlauer Inc.**  
7 Wells Avenue  
Newton Centre, MA 02459  
USA  
Phone +1-617-969 0900  
Fax +1-617-964 2921  
www.jungbunzlauer.com

## Product Specification

### CITROFOL<sup>®</sup> A I

**Jungbunzlauer**

Food & Pharmaceutical Grade (conforms to USP-NF / Ph. Eur. / FCC / EC)

Product name	Triethyl Citrate
EC No.	201-070-7
CAS No.	77-93-0
E-No.	E 1505
Characteristics	Clear, viscose liquid, practically colourless, essentially odourless; soluble in water, miscible in ethanol and ether
Identification	conforms
Colour	max. 30 APHA min. BY6
Turbidity	max. 2 NTU
Acidity (as citric acid)	max. 0.02 %
Assay (GC)	min. 99.0 %
Related substances (GC, separate, total)	max. 0.2 %; 0.5 %
Water	max. 0.25 %
Heavy metals (as lead)	max. 5 mg/kg
Arsenic	max. 3 mg/kg
Lead	max. 1 mg/kg
Mercury	max. 1 mg/kg
Specific gravity [d] 25/25	1.135 - 1.139
Refractive Index [n] 25/D	1.439 - 1.441

All analytical methods are in accordance with the latest requirements of the United States Pharmacopeia (USP), the Food Chemical Codex (FCC), the European Pharmacopoeia (Ph. Eur.) and the commission directive 96/77/EC or equivalent test methods.