

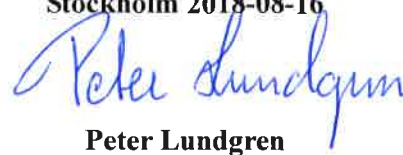
CERTIFICATE OF ANALYSIS

Product: Etanol Aa 99,7% 200 L (1201)
Batch Number: 6092286
Date of Manufacture: 2018-08-08
Used Before: 2020-07-31

Analysis	Method	Limits	Results	Unit
Rel. Density	Ph.Eur.	0,790 - 0,793	0,791	
Density		≤ 0,7917	0,7895	Kg/l
Ethanol Strenght	Ph.Eur.	≥ 99,5 ≥ 99,2	99,98 99,98	Vol-% w-%
Absorbance 235 – 340 nm, 5cm	Ph.Eur.	A ₂₄₀ nm < 0,40 A ₂₅₀ – 260 nm < 0,30 A ₂₇₀ – 340 nm < 0,10 A ₂₃₅ – 340 nm	0,33 0,15 0,02 Absorption curve is smooth	
Identification A	Ph.Eur.	Complies with the test for relative density	Approved	---
Identification C	Ph.Eur.	Approved	Approved	---
Identification D	Ph.Eur.	Approved	Approved	---
Appearance	Ph.Eur.	Clear, colorless	Clear, Colorless	---
Acidity or Alkalinity	Ph.Eur.	Approved	Approved	---
Methanol	Ph.Eur.	< 200	<200	ppm V/V
Acetaldehyde + acetal	Ph.Eur.	< 10	<10	ppm V/V
Benzene	Ph.Eur.	<2	<2	ppm V/V
Total of other impurities	Ph.Eur.	<300 Disregard limit <9ppm V/V	<300	ppm V/V
Residue on Evaporation	Ph.Eur.	25	5	ppm m/V

Solveco AB

Stockholm 2018-08-16


 Peter Lundgren