



Certificate of Analysis

Ship-To:

Rebain International NL B.V.
Akeleibaan 60
2908 KA Capelle aan den IJssel
NETHERLANDS

Shell Product	: IPA (Isopropyl Alcohol)	
Shell Spec. No.	: S1111 / 1000	
Customer Product	: 113331	
Cust PO/Indent	: PO014051	
Sales Order/Item	: 1001878890 / 10	Package Type : Bulk
Delivery Number	: 8003220820	Vehicle/Vessel : A5128E5
Despatch Date	: 29.JUL.2019	
Inspection Lot	: 000002695688	

Property	Units	Minimum	Maximum	Result	N	Method
Purity	%m/m	99,8		100,0		DIN 55685
Water	%m/m		0,1	0,0		ASTM D1364
Acidity as acetic acid	%m/m		0,001	0,000		ASTM D1613
Water Miscibility	Miscible			Pass		ASTM D1722
Nonvolatile Residue	g/100ml		0,001	< 0,001		ASTM D1353
Appearance	Clear & Free From Suspended Matter			Pass		ASTM D4176
Color, Pt-Co			5	< 5	4	ASTM D1209
Density @20C	g/ml	0,785	0,786	0,785	4	ASTM D4052
Distillation, IBP	°C	81,8		> 81,8	4	ASTM D1078
Distillation, DP	°C		82,8	< 82,8	4	ASTM D1078
Refractive Index @20C		1,376	1,378	1,377	4	ASTM D1218

(N)otes :4-Agreed Specification limits - no results: Statistical average value reported

Product as produced complies with ASTM D770, DIN 53245 and ACS 8th edition. Product meets guaranteed limits, but are not routinely tested.

Shell Chemicals Europe B.V. certifies that these results are based upon sampling and testing procedures in place at the time of production.