

# Kuraray

Kuraray Co., Ltd.  
Quality Assurance and Product Development  
Department  
Isoprene Chemicals Division  
Tokiwabashi Tower 2-6-4 Otemachi,  
Chiyoda-ku Tokyo 100-0004, Japan

## CERTIFICATE OF ANALYSIS

	Page 1 of 2
Order No.:	7000458222
Delivery No.:	8000555220
Issue Date:	25. 04. 2023

### PRODUCT QUALITY CONTROL DATA

Material: HMB / IBC

Batch Number: 42521

Characteristics	Value	Unit	Min	Max	Test Method	Result
					Test Method Description	
Appearance	Clear, Colorless Liquid			SEE NOTE (1)	VISUAL_M Visual Inspection	Pass
Color (APHA)	<5			10	JISREF JIS (Reference)	Pass
Specific Gravity (20 /20°C)	0.928		0.925	0.930	JISREF JIS (Reference)	Pass
Acidity as acetic acid	<0.001	%		0.010	JISREF JIS (Reference)	Pass
Water	<0.01	%		0.20	JISREF JIS (Reference)	Pass



# kuraray

Page 2 of 2

Batch Number:	42521					
Characteristics	Value	Unit	Min	Max	Test Method Test Method Description	Result
Distillation IBP	175.4	° C	168.0		JISREF JIS (Reference)	Pass
Distillation DP	175.9	° C		178.0	JISREF JIS (Reference)	Pass
Purity (GC)	99.50	%	99.00		GC_M GC Method	Pass
Production date	20230209					Pass
Best before date	20250208					Pass
Date of Analysis	20230206					Pass

Note:

(1) Specification : Clear, Colorless Liquid



"This report is computer generated and valid without signature."