

# Product Specification

Standard number : EL-308-11  
Issue number : CCM14  
Code number : 51048470

Name : PGME

(Other name : Propylene glycol monomethyl ether)

Grade : UHP  
Volume : 200L  
Packaging : -

3-2-12 UCHIHIRANOMACHI, CHUO-KU,  
OSAKA 540-0037, JAPAN

HAYASHI PURE CHEMICAL IND.,LTD.

No.	Item	(unit)	Specification	Test Procedure
1	Appearance (APHA)	-	≦ 10	Visual method
2	Assay (PGME)	%	≧ 99.9	Gas Chromatography
3	β-isomer	%	≦ 0.1	Gas Chromatography
4	Specific Gravity (20/20°C)	-	0.918 ~ 0.928	Floating balance method
5	Water	%	≦ 0.05	Karl fisher titration method
6	Silver (Ag)	ppt	≦ 50	ICP-MS
7	Aluminum (Al)	ppt	≦ 50	ICP-MS
8	Arsenic (As)	ppt	≦ 50	ICP-MS
9	Gold (Au)	ppt	≦ 50	ICP-MS
10	Barium (Ba)	ppt	≦ 50	ICP-MS
11	Calcium (Ca)	ppt	≦ 50	ICP-MS
12	Cadmium (Cd)	ppt	≦ 50	ICP-MS
13	Cobalt (Co)	ppt	≦ 50	ICP-MS
14	Chromium (Cr)	ppt	≦ 50	ICP-MS
15	Cesium (Cs)	ppt	≦ 50	ICP-MS
16	Copper (Cu)	ppt	≦ 50	ICP-MS
17	Iron (Fe)	ppt	≦ 50	ICP-MS
18	Gallium (Ga)	ppt	≦ 50	ICP-MS
19	Germanium (Ge)	ppt	≦ 50	ICP-MS
20	Potassium (K)	ppt	≦ 50	ICP-MS
21	Lithium (Li)	ppt	≦ 50	ICP-MS
22	Magnesium (Mg)	ppt	≦ 50	ICP-MS
23	Manganese (Mn)	ppt	≦ 50	ICP-MS
24	Molybdenum (Mo)	ppt	≦ 50	ICP-MS
25	Sodium (Na)	ppt	≦ 50	ICP-MS
26	Nickel (Ni)	ppt	≦ 50	ICP-MS
27	Lead (Pb)	ppt	≦ 50	ICP-MS
28	Platinum (Pt)	ppt	≦ 50	ICP-MS
29	Rubidium (Rb)	ppt	≦ 50	ICP-MS
30	Antimony (Sb)	ppt	≦ 50	ICP-MS
31	Tin (Sn)	ppt	≦ 50	ICP-MS
32	Strontium (Sr)	ppt	≦ 50	ICP-MS
33	Tantalum (Ta)	ppt	≦ 50	ICP-MS
34	Titanium (Ti)	ppt	≦ 50	ICP-MS
35	Vanadium (V)	ppt	≦ 50	ICP-MS
36	Tungsten (W)	ppt	≦ 50	ICP-MS
37	Zinc (Zn)	ppt	≦ 50	ICP-MS
38	Zirconium (Zr)	ppt	≦ 50	ICP-MS
39	Small Particles (≧0.2μm)	pieces/mL	≦ 400	LASER particle counting method
40	Small Particles (≧0.5μm)	pieces/mL	≦ 50	LASER particle counting method

remark