

METHANOL

Product specification	Monomark standard		
	AA	A	IMPCA
1. Appearance	Colourless, clear, residue-free liquid		
2. Mass fraction of methanol, %, min	99.98	99.95	99.85
3. Density	0.791-0.792		0.791-0.793
4. Boiling temperature limits: – boiling point, °C – distillation (99 % of product), °C, max	64.6±0.1 0.5	64.6-65.5 0.8	64.6±0.1 1.0
5. Water miscibility	Water solution is clear		
6. Mass fraction of ethanol, max % mg/kg	0.001 10	0.01 100	- 50
7. Potassium permanganate test, minutes	75	60	60
8. Moisture, %, max	0.02	0.05	0.1
9. Mass fraction of free acids (formic acid), max % mg/kg	0.0015 15		- 30
10. Mass fraction of aldehydes and ketones (acetone), max % mg/kg	0.002 20	0.003 30	- 30
11. Mass fraction of iron combinations (iron), max % mg/kg	0.0000075 0.075	0.00001 0.1	- 0.1
12. Mass fraction of ammonia and amino combinations, %, max	0.00001		-
13. Mass fraction of chlorides, max % mg/kg	0.00003 0.3	0.001 1.0	- 0.5
14. Mass fraction of non-volatile residue, max % mg/1000 ml	0.003 3.0	0.001 10	- 8
15. Mass fraction of char material (sulphuric acid test) according to platinum-cobalt scale, max	-	-	30
16. Brightness according to platinum-cobalt scale, Hazen units, max	-	-	5
17. Mass fraction of sulphur, mg/kg, max	-	-	0.5