PT. SMART-LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

CERTIFICATE OF ANALYSIS

Product Name	: Water	Molecular Weight	: 18.02 g/mol
Catalog No.	: H-1077	Batch No.	: 030221001
Grade	: HPLC Reagent	Manufacturing Date	: February, 2021
Formula	: H_2O	Expire Date	: February, 2026
Cas No	: 7732-18-5		

NO	ITEM TEST	UNITS	SPECIFICATION	RESULT
1.	Appearance	_	Clear colorless	Clear colorless
2.	pH	pH	5.5 – 7.5	6.52
3.	Colour	Hazen	max 10	5
4.	Boiling point	^oC	max 100	100
5.	Refractive Index	n^{20}_D	1.330 – 1.334	1.333
6.	Conductivity at 25 ^oC	uS/cm	Max 1.0	0.10
7.	Residu on evaporation	wt %	max 0.0005	0.00017
8.	LC Gradient Stability Test (254 nm)	_	Passes test	Passes test
	UV transmission(with air as blank) at :			
	200 nm	T %	min 100	106.4406
	250 nm	T %	min 100	108.3116
9.	Fluorescence (as quinine)			
	at 254 nm	ppb	max 1.0	< 1.0
	at 365 nm	ppb	max 0.5	< 0.5

Result : The above product corresponds to HPLC Grade

Reference or standard of product specification to water for HPLC specification

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