

Certificate of Analysis

Product Name:	Potassium Dihydrogen Phosphate	Batch No.:	TF05230301
Batch size	1500kg	Date of Manufacture:	Mar.17.2023
Date of Analysis:	Mar.18.2023	Report No:	FC2023-03-0501
Reference:	EP10.0	Expiry Date:	Mar.16.2025
Items	Acceptance criteria	Results	
Characters	Appearance: white or almost white, crystalline powder or colourless crystals	Complies	
	Solubility: freely soluble in water, practically insoluble in ethanol (96%)	Complies	
Identification	A: Solution S is slightly acid.	Complies	
	B: Solution S gives reaction (b) of phosphates	Complies	
	C: 0.5 mL of solution S gives reaction (b) of potassium	Complies	
Tests	Appearance of solution	Solution S is clear and colourless	Complies
	PH	4.2~4.5	4.4
	Reducing substances	The colour of the permanganate is not completely discharged.	Complies
	Chlorides	Maximum 200 ppm	Less than 200ppm
	Sulfates	Maximum 300 ppm	Less than 300ppm
	Arsenic	Maximum 2 ppm	Less than 2ppm
	Iron	Maximum 10 ppm	Less than 10ppm
	Loss on drying	Maximum 2.0%	0.1%
	Sodium	Maximum 0.1%	Less than 0.1%
	Microbial limit	TAMC: NMT 1000cfu/g	Less than 10cfu/g
		TYMC: NMT 100cfu/g	Less than 10cfu/g
		Escherichia coli: Not detected.	Not detected
	Heavy metals	Not more than 10ppm	Less than 10ppm
Assay	98.0%~100.5% (dried substance)		

Conclusion: This batch of Potassium Dihydrogen Phosphate meets the specification of EP10.0

(Analyzed by/Date): 2/4/2023.15

(Checked by/Date): 2/4/2023.15

(Approved by/Date): 2/4/2023.15

