

**CERTIFICATE OF ANALYSIS**
**QUALITY CONTROL LABORATORY**  
 of SDFCL Mfg. Unit No. 1

E27/ E28, MIDC, Tarapur Industrial Area, B-Road, Boisar-401506, Maharashtra

<b>LAB. ID</b>	: RM/1920/1291	<b>CERTIFICATE NO.</b>	: 061219/48
<b>NAME OF PRODUCT</b>	: POTASSIUM DIHYDROGEN ORTHOPHOSPHATE AR	<b>DATE OF ANALYSIS</b>	: 28.05.2021
<b>BATCH NO</b>	: E21A/4819/0612/31	<b>SPECIFICATION REF.</b>	: 20203SP00
<b>PRODUCT CODE</b>	: 20203	<b>RETEST DATE</b>	: APRIL-2026
<b>MFG. DATE</b>	: MAY-2021		

CASR NO. : (7778-77-0)

 $KH_2PO_4$ 

M.W. : 136.09

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
Description	A white crystalline powder.	Complies	BP-2017
Solubility	10% solution in water is clear and colourless.	Complies	BP-2017
Assay (Acidimetric; after drying.)	99.5 - 100.5%	99.59%	BP-2017
pH of ( 5% solution in water)	4.3 - 4.5	4.28	BP-2017
Loss on drying ( at 110°C)	Max. 0.2%	0.2%	BP-2017

**MAXIMUM LIMITS OF IMPURITIES**

Insoluble matter	0.01%	Complies [<0.01]	Analar
Chloride (Cl)	0.0005%	Complies [<0.0005%]	ACS 10 <sup>th</sup> Edition
Nitrate (NO <sub>3</sub> )	0.001%	Complies [<0.001%]	ACS 10 <sup>th</sup> Edition
Sulphate (SO <sub>4</sub> )	0.005%	Complies [<0.005%]	ACS 10 <sup>th</sup> Edition
Ammonium (NH <sub>4</sub> )	0.0025%	Complies [<0.0025%]	Analar 6 <sup>th</sup> Edition
Calcium (Ca)	0.01%	Complies [<0.01%]	Analar
Iron (Fe)	0.002%	Complies [<0.002%]	ACS 10 <sup>th</sup> Edition
Lead (Pb)	0.0005%	Complies [<0.0005%]	ACS 10 <sup>th</sup> Edition
Magnesium (Mg)	0.005%	Complies [<0.005%]	Analar

THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY OF THE STANDARD AS STATED ABOVE.

Measured values given in this Certificate of Analysis are the results determined at the time of Analysis.

The above data do not relieve the user from analysing the product upon receipt. Any legally binding assurance regarding the suitability of the product for any particular purpose or use can not be derived thereof.

**The results relate only to the sample tested.**

**This certificate shall not be reproduced except in full, without written consent of the Lab. management.**

**This product is manufactured at our manufacturing unit no. 1 (Boisar).**

For S D FINE-CHEM LIMITED

<b>Sampling SOP No.</b>	: SDFCL-TAR-SWP-GEN-007
<b>Sampling Plan</b>	: A (Sq. root of N+1)
<b>Spl. Ref. (if any)</b>	: -

(Authorised Signatory)

..... END OF REPORT.....

(This is a computer printed report, valid without signature)