

Chemical Laboratory - Kao.,SGS Taiwan Ltd.

## TEST REPORT

NOVAX MATERIAL & TECHNOLOGY INC.

NO. 31, LN. 142, SEC. 2, NANKAN RD., LUZHU TOWNSHIP, TAOYUAN COUNTY 33855, TAIWAN (R.O.C.)

REPORT NO.KP/2018/40191

W.O.NO.: OGC-1860369

DATE: 2018/04/23

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THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CLIENT AS :

**SAMPLE DESCRIPTION** : AdBlue 32.5%.  
**LOT NO.** : AR-180321-6-19.  
**SAMPLE RECEIVED** : 2018/04/13.  
**TESTING PERIOD** : 2018/04/13 TO 2018/04/23.  
**SAMPLE SUBMITTED BY** : NOVAX MATERIAL & TECHNOLOGY INC.

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--- PLEASE SEE THE NEXT PAGE FOR TEST RESULT(S) ---

*Joey Chung*

**Joey Chung / Supervisor**  
**Signed for and on behalf of**  
**SGS Taiwan Limited**



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## TEST RESULT(S) :

TEST ITEM(S)	UNIT	METHOD	SPEC	RESULT
IR SPECTRUM	---	FTIR(Fourier Transform Infrared Spectrophotometer)	---	As Page 3.
Urea content	(m/m)%	ISO 22241-2	31.8~33.2	32.5
Density,20°C	g/cm <sup>3</sup>	ISO 22241-2	1.0870~1.0930	1.0895
Refractive Index/20°C	---	ISO 22241-2	1.3814~1.3843	1.3826
Alkalinity (as NH <sub>3</sub> )	(m/m)%	ISO 22241-2	MAX 0.2	< 0.01
Biuret content	(m/m)%	ISO 22241-2	MAX. 0.3	0.26
Aldehyde content	mg/kg	ISO 22241-2	MAX. 5	< 0.5
Insoluble matter content	mg/kg	ISO 22241-2	MAX. 20	3
Phosphate content	mg/kg	ISO 22241-2	MAX. 0.5	< 0.05
Calcium(Ca)	mg/kg	ISO 22241-2	MAX. 0.5	n.d.
Iron(Fe)	mg/kg	ISO 22241-2	MAX. 0.5	n.d.
Copper(Cu)	mg/kg	ISO 22241-2	MAX. 0.2	n.d.
Zinc(Zn)	mg/kg	ISO 22241-2	MAX. 0.2	n.d.
Chromium(Cr)	mg/kg	ISO 22241-2	MAX. 0.2	n.d.
Nickel(Ni)	mg/kg	ISO 22241-2	MAX. 0.2	n.d.
Aluminum(Al)	mg/kg	ISO 22241-2	MAX. 0.5	n.d.
Magnesium(Mg)	mg/kg	ISO 22241-2	MAX. 0.5	n.d.
Sodium(Na)	mg/kg	ISO 22241-2	MAX. 0.5	0.16
Potassium(K)	mg/kg	ISO 22241-2	MAX. 0.5	n.d.

NOTE 1 : mg/kg = ppm ; 1wt% = 10000ppm.

NOTE 2 : n.d. = Not Detected.

NOTE 3 : ISO 22241-2 method for metal analysis MDL : 0.05ppm.

NOTE 4 : Quality standards based on ISO 22241-1(2006), the above results were in line with the Spec.

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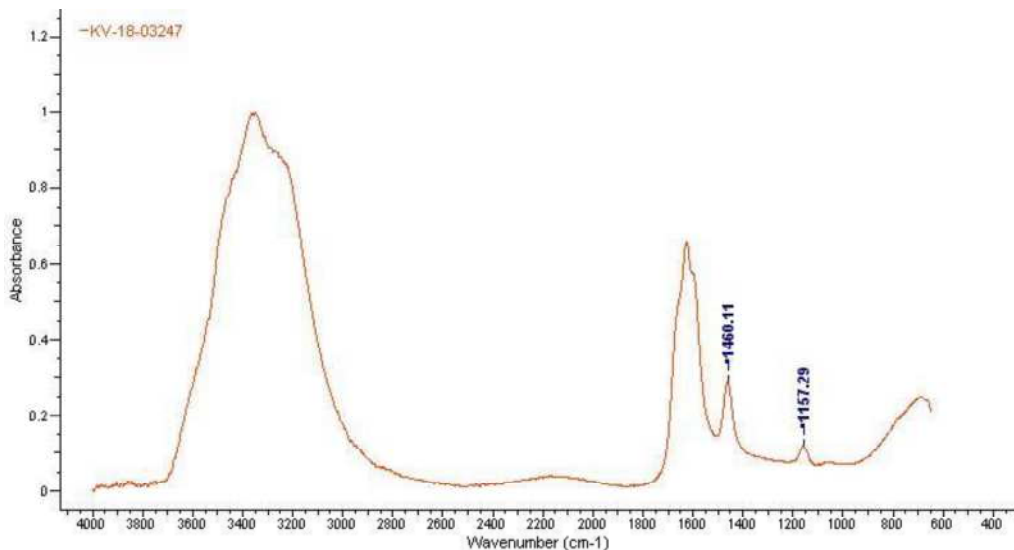
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### SPECTRUM



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### SAMPLE PHOTO

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