



सत्यमेव जयते

भारत सरकार

Government of India

राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)

National Test House (Eastern Region)

11/1 जजेस कोर्ट रोड, अलीपुर, कोलकाता - 700 027

11/1, Judges' Court Road, Alipore, Kolkata - 700 027

FORM NO : NTH/ALP/F/5



Number of Copies issued Duplicate TEST CERTIFICATE INTERIM/FINAL REPORT

परीक्षण प्रमाण पत्र सं Test Certificate No	जारी होने की तिथि Date of Issue	कोड नं Code No	पृष्ठ Page	पृष्ठों की संख्या No of Pages
NTH(ER)/EL(A)/2019/00302B	25/09/2019	1556866919226	1	2

जिसे जारी करना है

OKAYA POWER PRIVATE LIMITED

Issued To

पता

D-7,Udyog Nagar,Rohtak Road, New Delhi - 110041.

Address

ग्राहक का संदर्भ सं एवं दिनांक
Customer's Ref. No.

T.ref. No.:1504190000663

Date: 15/04/2019

पंजिका सं एवं दिनांक
Register No & Date

00302/NTH(ER)/EL(A)/19/06/2019

परीक्षण सामग्री का विवरण
Description of Test Item

One sample of five nos. lead acid secondary batteries stated to be 12V 200Ah @C10 rate,Brand:OKAYA.

परीक्षण सामग्री का पहचान
Identification of Test Item

Marking:As in attached sheet "BAT-13369".

नमूना का विशिष्टि (यदि हों)
Product Specification (If any)

Not Applicable.

नमूना प्राप्ति की तिथि
Date of Receipt of the Test Item

03/05/2019

कार्य सम्पादन की तिथि
Date(s) of Performance of Tests

From: 19/06/2019

To: 25/09/2019

ब्यावहृत प्रणाली का पहचान
Method(s) used for Test

IS:13369-1992 (Amndt. no.1 to 3) & customer requirements.

नमूना प्रक्रिया जहाँ प्रासंगिक हों
Sampling Procedure where relevant

Not Applicable.

Tested By

Samridha Gangopadhyay

Samridha Gangopadhyay

Checked By

M V Kishore

Marisetty Venkat Kishore

Approved By

M V Kishore

Marisetty Venkat Kishore



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NTH(ER)/EL(A)/2019/00302B

Sl. No.

Test Name

Test Result

Limit

1

Discrete Tests

As in attached sheet "BAT-13369".

As in attached sheet "BAT-13369".

टिप्पणी
Note

केफियत
Remarks

: The sample so far as it has been examined and tested meets the requirements of 13369-1992(Amndt. no.1 to 3)in respect of tests carried out.

Tested By

Samridha Gangopadhyay

Samridha Gangopadhyay

Checked By

M V Kishore

Marisetty Venkat Kishore

Scientist - B (Electrical)

Approved By

M V Kishore

Marisetty Venkat Kishore

Scientist- B (Electrical)



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"BAT-13369"

Marking: (i) Printed on both wider sides of a Battery :

OKAYA

Chalti Rahe Yeh Zindagi

SOLAR

TUBULAR BATTERY

Zindagi Ka Roop

Badhaye Shaandar Dhoop

ST200S

Capacity 200Ah @ C₁₀ ,

Sp. Gr.:1.240±0.005 (27°C)

MADE IN INDIA

Manufactured by Fujikawa power, Vill. Handa Kundi, Nalagarh, Baddi(H.P.)

Year of Mfg. 2018

(ii) On the top of a Battery :

Positive polarity embossed with '+' symbol .

Negative polarity embossed with '-' symbol .

(iii) Embossed on the top of a Battery :

HSAMR25604241536

The marking of the other Batteries are same & identical except Nos. HSAMR25604241533, HSAMR25604241537, HSAMR25604241534 & HSAMR25604241535. Five nos. 12V,200Ah Batteries were marked randomly as GN1,GN2,GN3,GN4 & GN5 by this laboratory for identification purpose.

Tested By

Samridha Gangopadhyay

Samridha Gangopadhyay
SO (Electrical)

Checked By

M.V. Kishore

Marisetty Venkat Kishore
Scientist- B (Electrical)

Approved By

M.V. Kishore

Marisetty Venkat Kishore
Scientist- B (Electrical)



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"BAT-13369"

Tests :

[Carried out as per IS:13369-1992 (Amndt. no.1 to 3) & customer requirements]

Sl. No.	Test Name	Requirements	Test Result				Remarks
1.	Test for Capacity : (Carried out as per Cl.11.5 of the specification)		Battery marked				Satisfactory
	Capacity in ampere-hours (Ah) at C ₁₀ rate corrected to 27°C	Shall not be less than the rated capacity and shall not be more than 130% of the rated capacity & within 10 discharges	GN1	GN2	GN3	GN4	
			216.437	217.968	212.609	211.858	
2.	Ampere-hour & Watt-hour efficiency Test : (Carried out as per CL.11.8 of the specification)		Battery marked				Satisfactory
	(i) Ampere-Hour efficiency:(in %)	Shall not be less than 90%	GN1				
			93.60				
(ii) Watt-Hour efficiency :(in %)	Shall not be less than 75%	80.82					
3.	Test for loss of capacity on storage : (Carried out as per Cl.11.6 of the specification)		Battery marked				Satisfactory
	Loss of capacity(in%):	Shall not exceed 10%	GN2	GN3			
			1.01	1.48			

Tested By

Samridha Gangopadhyay

Samridha Gangopadhyay
SO (Electrical)

Checked By

M V Kishore

Marisetty Venkat Kishore
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Approved By

M V Kishore

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Sl. No.	Test Name	Requirements	Test Result	Remarks
4.	Loss of Water Test : (Carried out as per Cl.11.9 of the specification)	18 (Maximum)	Battery marked	Satisfactory.
			GN4	
			14	
Loss of Water (in g/Ah/Battery) :				
5.	Test for Equilibrium Float Current : (Carried out as per Cl.11.10 of the specification)	10 (Maximum)	Battery marked	Satisfactory.
			GN4	
			3.85	
Equilibrium Float Current (in mA/Ah/Battery) :				

Tested By

Samreddha Gangopadhyay

Samreddha Gangopadhyay
SO (Electrical)

Checked By

M V Kishore

Marisetty Venkat Kishore
Scientist- B (Electrical)

Approved By

M V Kishore

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