



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

परीक्षण प्रमाण पत्र

FORM NO : NTH/ALP/F/5



Number of Copies issued Duplicate TEST CERTIFICATE INTERIM/FINAL REPORT

परीक्षण प्रमाण पत्र सं

Test Certificate No

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

जारी होने की तिथि

Date of Issue

25/09/2019

कोड नं

Code No

1556866919226

पृष्ठ

Page

1

पृष्ठों की संख्या

No of Pages

2

जिसे जारी करना है

Issued To

पता

Address

OKAYA POWER PRIVATE LIMITED

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

ग्राहक का सन्दर्भ 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 75Ah @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

व्यावहृत प्रणाली का पहचान

Method(s) used for Test

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

नमूना प्रक्रिया जहाँ प्रासंगिक हों

Sampling Procedure where relevant

Not Applicable.

Tested By

Sayantan Das

Sayantan Das

Checked By

Samridha Gangopadhyay

Samridha Gangopadhyay

Approved By

Marisetty Venkat Kishore

Marisetty Venkat Kishore



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पृष्ठ
Page
2

पृष्ठों की संख्या
No of Pages
2

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

25/09/2019

Sl. No.

Test Name

Test Result

Limit

1 Discrete Tests As in attached sheet "BAT-13369".

As in attached sheet "BAT-13369".

टिप्पणी
Note

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

कैफियत
Remarks

Tested By

Sayantan Das

Checked By

Samriddha Gangopadhyay

Approved By

Marisetty Venkat Kishore



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Page 1 No. of Pages 3

"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
ST075H
Capacity 75Ah @ 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 :
HSAXR05604159662

The marking of the other Batteries are same & identical except Nos. HSAXR05604159663, HSAXR05604159664, HSAXR05604159666 & HSAXR05604159667. Five nos. 12V,75Ah Batteries were marked randomly as GM1,GM2,GM3,GM4 & GM5 by this laboratory for identification purpose.

Tested By

Sayantan Das
SO (Electrical)

Checked By

Samriddha Gangopadhyay
SO (Electrical)

Approved By

Marisetty Venkat Kishore
Scientist - B (Electrical)



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Page 2 No. of Pages 3

"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)	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	Battery marked				Satisfactory
				GM1	GM2	GM3	GM4	
			87.609	88.190	87.798	84.493		
2.	Ampere-hour & Watt-hour efficiency Test : (Carried out as per CL.11.8 of the specification)		Shall not be less than 90%	Battery marked				Satisfactory
				GM1				
				93.42				
	(i) Ampere-Hour efficiency:(in %)			81.41				
	(ii) Watt-Hour efficiency :(in %)	Shall not be less than 75%						
3.	Test for loss of capacity on storage : (Carried out as per Cl.11.6 of the specification)	Loss of capacity(in%):	Shall not exceed 10%	Battery marked				Satisfactory
				GM2		GM3		
				1.21		2.28		

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Checked By

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Page 3 No. of Pages 3

"BAT-13369"

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.
			GM4	
			11	
5.	Test for Equilibrium Float Current : (Carried out as per Cl.11.10 of the specification)	10 (Maximum)	Battery marked	Satisfactory.
			GM4	
			2.27	
Loss of Water (in g/Ah/Battery) :				
Equilibrium Float Current (in mA/Ah/Battery) :				

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