

Test Report

Report Number: 201561SHJ-AMQS

Applicant Name: Guangzhou Kinga Autoparts Industry Manufacture Co., Ltd
Report Date: Jan. 29th, 2021
Applicant Address: GUANGCONG ROAD NO.18 CONGHUA ECONOMIC DEVELOPMENT AREA GUANGZHOU GUANGDONG CHINA
Attn: Doris

The following sample (s) was/were submitted and identified on behalf of the client as:

Product: Auto Radiator
Model: RA-01
Samples Quantity: 3pcs
Sample ID: IASS201561.001-003
Date Received: Jan.5th, 2021
Date Test Conducted: Jan.5th, 2021- Jan.29th, 2021
*Trademark: N/A
*Rated capacity: N/A
*Size/color: N/A

Test address different from lab address (if existed) : N/A



Received sample



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Tests Conducted:

Test protocol/standard: SASO 82/2008, SASO 83/2008

Test duration: Jan.5th, 2021- Jan.29th, 2021

Test category: Validation test

Test result: Please refer to attached pages for details.

Conclusion:

The **Auto Radiator** by **Kinga meet** the requirements indicated in SASO 82/2008, SASO 83/2008.

Should you have any queries about the test report, please contact: Tony.Gu@intertek.com

Approved by:

Jack Yang
Manager

Checked by:

Jay Liu
Test Supervisor

Prepared by:

Tony Gu
Test Engineer



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Test Items, Method and Results:

	TESTS PERFORMED			
	TEST/FUNCTION	Testing & Inspection protocol - SASO 82/2008, SASO 83/2008		
	PERFORMANCE		REMARK	VERDICT
1	Visual Inspection	- Each radiator shall be visually inspected with the naked eye to check the existence of any apparent defects in manufacture or whether any of its parts is missing. - The information marked on the radiator shall be checked. (SASO 83/2008, section 4 requirements)	Major	Meet
OBSERVATION: -No visual defects were found on samples. - “Made in China” and “0.9 MPA” were marked on sample. ACTION: N/A				
2	Leakage Test	- The water outlet pipe and the upper and lower tanks shall be tightly sealed and the pressure cap replaced by a normal close fitting cap (without pressure valve). - The inlet water pipe shall be connected to an air supply source at a pressure of 150 kPa (about 1.5 kg/cm²). - The radiator shall be immersed in water and subjected to pressure for a period of not less than 30 seconds and any leakage observed. (SASO 83/2008, section 6 requirements)	Major	Meet
OBSERVATION: - No leakage was found during test. Test setup 				
ACTION: N/A				



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3	Corrosion Resistance Test	The radiator shall be exposed from both sides to a ($5 \pm 1\%$) (by weight) salt water spray for 4 days and allowed to stand for drying out in a room at a temperature of $23 \pm 2^\circ\text{C}$ and $60 \pm 10\%$ relative humidity, for 14 days. The radiator shall then be subjected to a hydraulic pressure of 100 kPa (nearly 1.0 kg/cm ²) and any leakage observed. (SASO 83/2008, section 5 requirements)	Major	Meet
OBSERVATION: - Sample was tested following required procedures. No leakage was found. Test setup  After test  ACTION: N/A				
4	Vibration Test	The radiator shall be fixed as in normal use, and subjected to vibration up and down in the actual state of attachment to the vehicle at 3 G, and 3 mm span for one million times. It shall then be checked to ensure the soundness of all its parts. (SASO 83/2008, section 8 requirements)	Major	Meet
OBSERVATION: - After the vibration test, no damage or looseness of parts were found. Test setup 				



	ACTION: N/A											
5	Labelling	In a prominent place on each radiator the following information shall be legibly and indelibly marked in Arabic or English language. 1 Manufacturer's name, and/or his trade-mark. 2 Country of origin. 3 The pressure at which the cap valve opens. (SASO 82/2008, section 5 requirements)	Major	Meet								
OBSERVATION: - Required markings were found on sample.												
		<table><tr><th>Requirement</th><th>Finding</th></tr><tr><td>Manufacturer's name, and/or his trade-mark</td><td>"KINGA" was marked on sample.</td></tr><tr><td>Country of origin</td><td>"Made in China" was marked on sample.</td></tr><tr><td>The pressure at which the cap valve opens</td><td>"0.9 MPA" was marked on sample.</td></tr></table>	Requirement	Finding	Manufacturer's name, and/or his trade-mark	"KINGA" was marked on sample.	Country of origin	"Made in China" was marked on sample.	The pressure at which the cap valve opens	"0.9 MPA" was marked on sample.		
Requirement	Finding											
Manufacturer's name, and/or his trade-mark	"KINGA" was marked on sample.											
Country of origin	"Made in China" was marked on sample.											
The pressure at which the cap valve opens	"0.9 MPA" was marked on sample.											
												
ACTION: N/A												



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The End of Report

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