

THIS TEST REPORT IS VALID UP TO 31.08.2032



## FARMAK, FM-907S ENGINE OPERATED KNAPSACK SPRAYER



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि एवं किसान कल्याण विभाग

Department of Agriculture and Farmers Welfare

दक्षिणी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Southern Region Farm Machinery Training and Testing Institute

ट्रैक्टर नगर, गार्लदिन्ने-515 731, जिला: अनंतपुर (आ. प्र.)

Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)

[An ISO 9001:2015 CERTIFIED INSTITUTE]

PP/SRFMTTI, ANANTAPUR/2025-26/ 01/01/1917	FARMAK, FM-907S ENGINE OPERATED KNAPSACK SPRAYER THIS TEST REPORT IS VALID UP TO 31.08.2032	COMMERCIAL (ICT)
-------------------------------------------------	------------------------------------------------------------------------------------------------------	---------------------

Manufacturer, (apa) : M/s. FUSITE CO. Ltd.,  
Shangtang Village, Jingqing, Luqiao District,  
Taizhou City, Zhejiang, China.

Applicant : VR AGRO EQUIPMENTS,  
# 7-299/A, Veera Reddy Building, Koilakuntla  
Road, Allagadda-518543, Kurnool Dist., Andhra  
Pradesh, India.

### **FARMAK, FM-907S ENGINE OPERATED KNAPSACK SPRAYER**

Report no.: PP/SRFMTTI, ANANTAPUR/2025-26/01/01/1917

Month: September

Year: 2025



**Government of India**  
**Ministry of Agriculture and Farmers Welfare**  
**Department of Agriculture and Farmers Welfare**  
**Southern Region Farm Machinery Training and Testing Institute**  
**Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)**  
**[An ISO 9001:2015 CERTIFIED INSTITUTE]**

Website: <http://srfmtti.dacnet.nic.in/>

E-mail: [fmti-sr@nic.in](mailto:fmti-sr@nic.in)



PP/SRFMTTI, ANANTAPUR/2025-26/ 01/01/1917	FARMAK, FM-907S ENGINE OPERATED KNAPSACK SPRAYER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.08.2032	

Type of test : COMMERCIAL (ICT)

Period of test : May, 2025 to July, 2025

Test Report No. : PP/SRFMTTI, ANANTAPUR/2025-26/01/01/1917

Month / Year of release : September, 2025

- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- The data given in this report pertain to the particular machine randomly selected by testing authority through virtual mode.
- The results presented in this report do not, in any way, attribute to the durability of the machine.
- This Test Report should not be reproduced in part or full without prior permission of the Director, Southern Region Farm Machinery Training & Testing Institute, Garladinne, Anantapur (A.P.).
- This is a report on Commercial Test of Engine Operated Knapsack Sprayer named "FARMAK, FM-907S ENGINE OPERATED KNAPSACK SPRAYER ". This report is valid up to 31.08.2032, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023.
- This is report is not covered under BIS certification. Therefore, the manufacturers cannot market the sprayer wit ISI mark, only on the basis of this test report.

#### SELECTED CONVERSIONS

S. No.	Units	Conversion Factor
1	Force	
	1 kgf	9.80665 N
		2.20462 lbf
2	Power	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
3	Pressure	
	1 psi	6.895 kPa
	1 kgf/cm <sup>2</sup>	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm <sup>2</sup>
	1 mm of Hg	1.3332 m-bar

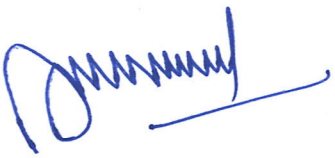
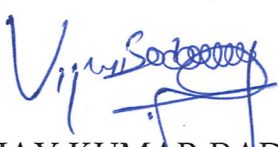



PP/SRFMTTI, ANANTAPUR/2025-26/ 01/01/1917	FARMAK, FM-907S ENGINE OPERATED KNAPSACK SPRAYER THIS TEST REPORT IS VALID UP TO 31.08.2032	COMMERCIAL (ICT)
-------------------------------------------------	------------------------------------------------------------------------------------------------------	---------------------

#### 24. COMMENTS & RECOMMENDATIONS

- 24.1** The pressure gauge with full scale reading provided on it does not meet the requirement of IS 11313: 2007 (Reaffirmed-2022). This should be looked into for necessary corrective action.
- 24.2** The manufacturer's name or recognized trade mark on spray nozzle is not marked and does not meet the requirement of IS 3652:1995 (Reaffirmed-2021). This should be looked into for necessary corrective action.
- 24.3** Suction strainer is not provided and the same may be provided.
- 24.4** The diameter of connecting rod of the gun does not meet the requirement of IS 11313-2007 (Reaffirmed-2022). This should be looked into for necessary corrective action.
- 24.5 Marking /labeling:**  
A suitable labeling plate shall be riveted on the machine and shall include rated pressure and rated discharge. This should be looked into for necessary corrective action.
- 24.6 Technical literature:**  
User's manual is provided during the test. However, the same must be brought out in Hindi & other regional languages as per IS 8132:2003 for the guidance of users.

#### TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. P.P. RAO DIRECTOR	



#### 25. APPLICANT'S COMMENTS

We have carefully noted all the observations and recommendations mentioned in the report and assure you that necessary actions will be taken to incorporate the suggested improvements in our future production to ensure full compliance with the relevant standards and guidelines.