

Spices Testing & Enforcement Drive Report

(25 August – 18 September 2025)



Khyber Pakhtunkhwa Food Safety & Halal Food Authority

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GOVERNMENT OF KHYBER PAKHTUNKHWA FOOD SAFETY & HALAL FOOD AUTHORITY



Spices Testing & Enforcement Drive Report (25 August – 18 September 2025)

INTRODUCTION

The Khyber Pakhtunkhwa Food Safety and Halal Food Authority (KP-FS&HFA) conducted a province-wide Spices Testing and Enforcement Drive to assess the quality, safety, and compliance of commercially available spices and blended seasoning products with the prescribed standards of the Pakistan Standards and Quality Control Authority (PSQCA).

This drive was undertaken as part of the Authority's routine market surveillance and enforcement operations to identify non-compliant food items that may pose potential health risks to consumers. Samples were collected from multiple districts, including Peshawar (Town-I, II, III & IV), Mardan, Bannu, D.I. Khan, Nowshera, Abbottabad, Dir, Buner, Malakand, Swat, Haripur, and Mansehra. Both branded and loose spices were analyzed at the Provincial Food Testing Laboratory & Centre for Research (PFTL&CR) for microbiological and physico-chemical parameters such as moisture, total ash, ash insoluble in acid, colour, aflatoxins, *Staphylococcus aureus*, *Salmonella*, and *E. coli*.

The purpose of this exercise was to ensure that the spices being sold in markets meet food safety standards, are free from microbial and chemical contamination, and maintain their purity, authenticity, and nutritional integrity.

Summary of Analytical Findings

A total of 82 spice samples comprising curry powders, turmeric, chilli powder, garam masala, biryani masala, chat masala, and other blended condiments were tested during the drive. Out of these:

61 samples (74.31%) were found safe and compliant with PSQCA standards.

21 samples (25.69%) were declared unsafe or of low quality, exhibiting one or more violations of prescribed limits.

Key Observations

Microbial Contamination:

- *Staphylococcus aureus* was detected in several curry powder and mixed masala samples indicating post-processing contamination and inadequate hygiene controls.
- *Salmonella* and *E. coli* were also detected in a few samples, posing significant public health concerns.

Physico-Chemical Non-Compliance:

- High moisture content (exceeding 10%) was observed in multiple turmeric and curry powder samples, which can lead to microbial growth and spoilage.
- Elevated total ash and ash insoluble in acid values indicate adulteration/inorganic material with non-edible fillers or poor-quality raw materials.
- Use of non-permitted colours was observed in certain samples, compromising consumer safety and product authenticity.



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Aflatoxin Contamination:

- Four samples were found to contain aflatoxins beyond permissible limits, primarily in red chili and curry powder samples posing carcinogenic risks upon chronic exposure



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SUMMARY

The Khyber Pakhtunkhwa Food Safety & Halal Food Authority (KPFS&HFA) conducted a comprehensive province-wide Spices testing and enforcement drive aimed at ensuring the safety and compliance of Spices. Total 82 Samples were collected across the province.

1. TOTAL NUMBER OF INDUSTRIES FROM WHICH SAMPLES WERE COLLECTED AND ANALYZED

S.NO	Total Sample	Total Pass	Total Fail	Recall	Corrective Action	%Pass	%Fail
01	82	61	21	15	06	74.39%	25.61%

2. ACTIONS TAKEN

- I. **Recall Notice** – Unsafe spice products were recalled from the market.
- II. **Corrective Action Notice** – Corrective Actions notices issued to manufacturers/traders to rectify deficiencies in cleaning, grinding, storage, and packaging.
- III. **Fines** – Penalties imposed under KP-FS&HFA Act for unsafe or substandard products.
- IV. **Re-testing** – Fresh samples will be analyzed at PFTL&CR before resuming supply.
- V. **Escalation** – Persistent violators faced sealing of premises and legal proceedings.

3. PHYSIO CHEMICAL PARAMETERS ANALYZED

S.No	Parameters	UoM	National Standards
1.	Moisture Content (By Mass)	%	10 max
2.	Total Ash Content (By Mass)	%	8 max
3.	Ash Insoluble In Dilute HCL	%	1.3 max
4.	Added Color		Negative
5.	Total Aflatoxin	Ppb	< 30
6.	Total Aflatoxin (Curry Powder)	Ppb	< 20



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4. MICROBIAL PARAMETERS ANALYZED

S.No	Parameters	UoM	National Standards
1.	Yeast & Mold	Cfu/g	$< 1 \times 10^5$
2.	E. Coli	Cfu/g	< 100
3.	Staph Aureus	Cfu/g	< 100
4.	Salmonella	Cfu/25g	Absent

Name of Targeted Cities	Peshawar, Charsadda, Nowshera, Khyber, Mardan, Swabi, Abbottabad, Haripur, Mansehra, Malakand, Swat, Lower Dir, Upper Dir, Buner, Kohat, Karak, Hangu, Bannu and DI Khan
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CATEGORIES OF SPICES INDUSTRY

Brand Name	KPFSHFA Code	City	Date of Collection	Name of Industry	Industry Address
Red Chilli	RC-01	Peshawar	8/27/2025	Qadir Griding Machine	Peshawar
Chat Masala	CM-01	Peshawar	8/28/2025	Qadir Griding Machine	Peshawar
Dry Coriander	DC-01	Peshawar	8/28/2025	Sarhad Spices Griding Machine	Peshawar
Qurma Masala	QM-01	Peshawar	8/28/2025	Qalandar Foods	Peshawar
Bilal Masala	PSW639-47/T1	Peshawar		Bilal Masala	Peshawar
Saif Foods	PSW639-44/T1	Peshawar	8/28/2025	Asli Saif Masalajat	Peshawar
Lassani Masalajat	TP-01	Peshawar	8/28/2025	Khan Foods & Products	Peshawar
Afghan Masala	AM-01	Peshawar	8/28/2025	Afghan Masala	Peshawar
Salan Masala	MRD-SP-190-89	Mardan	8/28/2025	Khushbodan	Mardan
Salan Masala	MRD-SP-190-90	Mardan	8/28/2025	Gul Sons	Mardan
Salad Masala	MRD-SP-190-91	Mardan	8/28/2025	Salad Foods	Mardan
Mix Salan Masala	MRD-SP-190-92	Mardan	8/28/2025	Khushbo Masalajat	Mardan
Curry Powder	MRD-SP-190-93	Mardan	8/28/2025	Al Noor Masala	Mardan
Curry Powder	MRD-SP-190-94	Mardan	8/28/2025	F & J Sons	Mardan
Biryani Masala	499-42BM	Peshawar	8/28/2025	Biryani Masala	Peshawar
Kitchen King	499-42KK	Peshawar	8/28/2025	Kitchen King	Peshawar
Karahi Gosht Masala	499-42KGM	Peshawar	8/28/2025	Karahi Gosht Masala	Peshawar
Spice	MRD-616-63	Mardan	8/28/2025	Taj Masalajat	Mardan
Spice	MRD-616-64	Mardan	8/28/2025	Laziza Masalajat	Mardan
Curry Powder	MRD-616-65	Mardan	8/28/2025	Rare Natural	Mardan
Chilli Powder	MRD-616-65B	Mardan	8/28/2025	Rare Natural	Mardan
Chat Masala	MRD-616-66	Mardan	8/28/2025	Faisal Food Lahori	Mardan



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Chat Masala	MRD-616-67	Mardan	8/28/2025	Az Foods	Mardan
Salan Masala	MRD-616-68A	Mardan	8/28/2025	Rare Natural	Mardan
Salan Masala	227/1-KPFSA-DIK(2)	D I Khan	8/28/2025	Umer Karyana Store	D I Khan
Turmeric Powdera	227/2-KPFSA-DIK(2)	DI Khan	8/28/2025	Amanullah Karyana Store	DI Khan
Salan Masala	227/2-KPFSA-DIK(2)	D I Khan	8/28/2025	Amanullah Karyana Store	D I Khan
Salan Masala	265/73-KPFSA-DIK(2)	D I Khan	8/28/2025	Khalil Masalajat	D I Khan
Chilli Powder	265/73-KPFSA-DIK(2)	DI Khan	8/28/2025	Haji Ghulam Saddique	DI Khan
Turmeric Powdera	265/74-KPFSA DIK(2)	DI Khan	8/28/2025	Bakhtawar Foods	DI Khan
Chilli Powder	265/75-KPFSA-DIK(2)	DI Khan	8/28/2025	Khalil Masalajat	DI Khan
Salan Masala	NSR-495-70	Nowshera	28-08-2025	Master Spice	Nowshera
Red Chilli	NSR-496-18	Nowshera	8/28/2025	Bannu Masalajat	Nowshera
Turmeric Powdera	BF-01	Peshawar	8/28/2025	Bannu Masalajat Products	Peshawar
Garam Masala	SS2	Malakand	9/1/2025	Super Star Mia Food Pvt Ltd	Malakand
Salan Masala	TS-003	Malakand	9/1/2025	Trusted Food Industry	Malakand
Salan Masala	SWT-Spies-420-65	Swat	9/1/2025	Khushbu Masalajat	Swat
Salan Masala	SWT-Spies-420-66	Swat	9/1/2025	Qazi Anwar Masalajat & Tea Store	Swat
Chilli Powder	SWT-Spies-420-68	Swat	9/1/2025	Sana Foods	Swat
Curry Powder	Swat-570-31	Swat	9/1/2025	Karachi Masalajat	Swat
Salan Masala	SWT-SF-1	Swat	9/1/2025	Shian Foods	Swat
Achar Gosht Masala	308/92A1	Bannu	9/1/2025	Hazrat Foods	Bannu
Garam Masala	308/93A1	Bannu	9/1/2025	Ghazi Foods	Bannu



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Salan Masala	308/93A2	Bannu	9/1/2025	Ghazi Foods	Bannu
Chat Masala	309/73A1	Bannu	9/1/2025	Hafiz Foods	Bannu
Chutney Powder	309/73A2	Bannu	9/1/2025	Hafiz Foods	Bannu
Chicken White Karahi	309/73A3	Bannu	9/1/2025	Hafiz Foods	Bannu
Bombay Biryani	309/73A4	Bannu	9/1/2025	Hafiz Foods	Bannu
Seekh Kabab Mix Masala	309/73A5	Bannu	9/1/2025	Hafiz Foods	Bannu
Bannu Beef Masala	309/73A6	Bannu	9/1/2025	Hafiz Foods	Bannu
Salan Masala	CMS-01	Lower Dir	9/1/2025	Chacha Masalajat	Lower Dir
Salan Masala	SBM-01	Lower Dir	9/1/2025	Shafi Bannu Masalajat	Lower Dir
Salan Masala	AMS-01	Lower Dir	9/1/2025	Azad Waziristan Masalajat	Lower Dir
Salan Masala	SBS-03	Lower Dir	9/1/2025	Shahzeb Bannu Masalajat	Lower Dir
Salan Masala	RBS-05	Lower Dir	9/1/2025	Raza Khan Bannu Masalajat	Lower Dir
Kundri Masalajat	ABT-M-005	Abbottabad	9/3/2025	Kundri Masalajat	Abbottabad
Dua Food Salan Masala	UD-394 (6)	Upper Dir	9/5/2025	Dua Foods	Upper Dir
Shah Zor Khan Roghani Product	UD 394(7)	Upper Dir	9/5/2025	Shah Zor Khan Masalajat	Upper Dir
Loose Spices	BNR (368-16)	Buner	9/5/2025	Jan Masalajat	Buner
Loose Spices	BNR (368-17)	Buner	9/5/2025	Khaista Gul Karyana	Buner
Loose Spices	BNR (368-19)	Buner	9/5/2025	Qemat Gul Salan Masala	Buner
Spice	HRP-203-291-1	Haripur	9/5/2025	N/P	Haripur
Spice	TCM-13	Malakand	9/5/2025	Chipsly Foods	Malakand
Achar Gosht Masala	PSW/639-41-T1	Peshawar	9/5/2025	Khyber Foods Products	Peshawar
Special Bombay Biryani	PSW/639-40-T1	Peshawar	9/5/2025	Khyber Foods Products	Peshawar
Korma Masala	PSW/639-39-T1	Peshawar	9/5/2025	Khyber Foods Products	Peshawar



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Salan Masala	NSR-495-17	Nowshera	28-08-2025	Usman Masalajat	Nowshera
Curry Powder	MNS-IP00036	Mansehra	28-08-2025	Imran Packaging	Mansehra
Salan Masala	PSW-T1-639-54	Peshawar	01-09-2025	Momin Msalajat	Peshawar
Biryani Masala	PSW-T1-639-55	Peshawar	01-09-2025	Momin Msalajat	Peshawar
Bombay Biryani	TM-001	Malakand	01-09-2025	Tahir & Sons Foods Pvt Ltd	Malakand
Tikka Masala	TM-002	Malakand	01-09-2025	Tahir & Sons Foods Pvt Ltd	Malakand
Kabuli Pulao	TM-003	Malakand	01-09-2025	Tahir & Sons Foods Pvt Ltd	Malakand
Murghi Masala	TM-004	Malakand	01-09-2025	Tahir & Sons Foods Pvt Ltd	Malakand
Sitara Biryani	SB-01	Malakand	01-09-2025	Sitara Foods Products SMC	Malakand
Curry Powder	SM-02	Malakand	01-09-2025	Sitara Foods Products SMC Pvt	Malakand
Super Star Salan Masala	SS1	Malakand	01-09-2025	Super Star Mian Food Products Pvt Ltd	Malakand
Kabuli Pulao	TK-002	Malakand	01-09-2025	Trusted Food Industry	Malakand
Salan Masala	TB-001	Malakand	01-09-2025	Trusted Food Industry	Malakand
Karahi Gosht Masala	308/91A1	Bannu	01-09-2025	HL-Hafiz Foods	Bannu
Achar Gosht Masala	308/92B1	Bannu	9/1/2025	Hazrat Foods	Bannu
Bombay Biryani Masala	308/91A2	Bannu	01-09-2025	HL-Hafiz Foods	Bannu



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SPICES QUALITY PARAMETERS AND ANALYTICAL METHODS

S.No	Parameters	Analytical Method
1	Moisture Content (By Mass)	AOAC 925.10
2	Total Ash Content (By Mass)	AOAC 941.12A
3	Ash Insoluble in dilute HCL	AOAC 941.12B
4	Added Color	Kit Method
5	Total Aflatoxin	AOAC 990.34
6	Yeast & Mold	ISO21527
7	E. Coli	ISO16649
8	Staph Aureus	ISO6888
9	Salmonella	ISI6579



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PERMISSIBLE LIMITS OF SPICES QUALITY PARAMETERS

S.No	Parameters	Units	PSQCA
1	Moisture Content (By Mass)	%	10 max
2	Total Ash Content (By Mass)	%	-
3	Ash Insoluble in dilute HCL	%	4 max
4	Added Color	-	Negative
5	Total Aflatoxin (Curry Powder)	ppb	< 20
6	Total Aflatoxin	ppb	< 30
7	Yeast & Mold	Cfu/g	<1 x 10 ⁵
8	E. Coli	Cfu/g	<100
9	Staph Aureus	Cfu/g	<100
10	Salmonella	Cfu/25g	absent



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SPICES BRANDS FAILED DUE TO QUALITY AND SAFETY STANDARDS

S.No	Brand Name	Code	City of Manufacturing	Results			
				Yeast & Mold	E.Coli	Staph Aureus	Salmonella
1	Sarhad Spices Grinding Machine	DC-01	Peshawar	90	Absent	Absent	Absent
2	Khan Foods & Products	TP-01	Peshawar	80	Absent	Absent	Absent
3	Afghan Masala	AM-01	Peshawar	450	Absent	180	Absent
4	Khushbodan	MRD-SP-190-89	Mardan	70	Absent	690	Absent
5	Salad Foods	MRD-SP-190-91	Mardan	220	Absent	Absent	Absent
6	Khushbo Masalajat	MRD-SP-190-92	Mardan	Nil	uncontable	Absent	Absent
7	Al Noor Masala	MRD-SP-190-93	Mardan	310	Absent	Absent	Absent
8	F & J Sons	MRD-SP-190-94	Mardan	10	Absent	Absent	Absent
9	Rare Natural	MRD-616-65	Mardan	70	Absent	Absent	Absent
10	Rare Natural	MRD-616-68A	Mardan	180	Absent	Absent	Absent
11	Amanullah Karyana Store	227/2-KPFSA-DIK (2)	DI Khan	30	Absent	Absent	Absent
12	Amanullah Karyana Store	227/2-KPFSA-DIK(2)	DI Khan	20	Absent	Absent	Absent
13	Haji Ghulam Saddique	265/73-KPFSA-DIK(2)	DI Khan	420	Absent	Absent	Absent
14	Bannu Masalajat Products	BF-01	Peshawar	10	40	30	Absent
15	Shian Foods	SWT-SF-1	Swat	10	Absent	Absent	Absent
16	Ghazi Foods	308/93A1	Bannu	170	Absent	Absent	Absent
17	Shafi Bannu Masalajat	SBM-01	Lower Dir	Absent	Absent	Absent	Absent
18	Khaista Gul Karyana	BNR (368-17)	Buner	80	Absent	Absent	Absent
19	Qemat Gul Salan Masala	BNR (368-19)	Buner	30	Absent	40	Absent
20	Usman Masalajat	NSR-495-17	Nowshera	20	Absent	Absent	90
21	Momin Msalajat	PSW-T1-639-54	Peshawar	10	30	Absent	40



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SAFE SPICES BRANDS

S.No	Brand Name	Code	Quality (Safe-Unsafe)	
			Chemical	Microbiological
1	Qadir Grinding Machine	RC-01	Safe	Safe
2	Qadir Grinding Machine	CM-01	Safe	Safe
3	Qalandar Foods	QM-01	Safe	Safe
4	Bilal Masala	PSW639-47/T1	Safe	Safe
5	Asli Saif Masalajat	PSW639-44/T1	Safe	Safe
6	Gul Sons	MRD-SP-190-90	Safe	Safe
7	Biryani Masala	499-42BM	Safe	Safe
8	Kitchen King	499-42KK	Safe	Safe
9	Karahi Gosht Masala	499-42KGM	Safe	Safe
10	Taj Masalajat	MRD-616-63	Safe	Safe
11	Laziza Masalajat	MRD-616-64	Safe	Safe
12	Rare Natural	MRD-616-65B	Safe	Safe
13	Faisal Food Lahori	MRD-616-66	Safe	Safe
14	Az Foods	MRD-616-67	Safe	Safe
15	Umer Karyana Store	227/1-KPFSA-DIK(2)	Safe	Safe
16	Khalil Masalajat	265/73-KPFSA-DIK(2)	Safe	Safe
17	Bakhtawar Foods	265/74-KPFSA DIK (2)	Safe	Safe
18	Khalil Masalajat	265/75-KPFSA-DIK(2)	Safe	Safe
19	Master Spice	NSR-495-70	Safe	Safe
20	Bannu Masalajat	NSR-496-18	Safe	Safe
22	Super Star Mia Food Pvt Ltd	SS2	Safe	Safe
23	Trusted Food Industry	TS-003	Safe	Safe
24	Khushbu Masalajat	SWT-Spies-420-65	Safe	Safe
25	Qazi Anwar Masalajat & Tea Store	SWT-Spies-420-66	Safe	Safe
26	Sana Foods	SWT-Spies-420-68	Safe	Safe
27	Karachi Masalajat	Swat-570-31	Safe	Safe
28	Hazrat Foods	308/92A1	Safe	Safe
29	Ghazi Foods	308/93A2	Safe	Safe
30	Hafiz Foods	309/73A1	Safe	Safe
31	Hafiz Foods	309/73A2	Safe	Safe



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32	Hafiz Foods	309/73A3	Safe	Safe
33	Hafiz Foods	309/73A4	Safe	Safe
34	Hafiz Foods	309/73A5	Safe	Safe
35	Hafiz Foods	309/73A6	Safe	Safe
36	Chacha Masalajat	CMS-01	Safe	Safe
37	Azad Waziristan Masalajat	AMS-01	Safe	Safe
38	Shahzeb Bannu Masalajat	SBS-03	Safe	Safe
39	Raza Khan Bannu Masalajat	RBS-05	Safe	Safe
40	Kundri Masalajat	ABT-M-005	Safe	Safe
41	Dua Foods	UD-394 (6)	Safe	Safe
42	Shah Zor Khan Masalajat	UD 394(7)	Safe	Safe
43	Jan Masalajat	BNR (368-16)	Safe	Safe
45	Chipsly Foods	TCM-13	Safe	Safe
46	Khyber Foods Products	PSW/639-41-T1	Safe	Safe
47	Khyber Foods Products	PSW/639-40-T1	Safe	Safe
48	Khyber Foods Products	PSW/639-39-T1	Safe	Safe
49	Imran Packaging	MNS-IP00036	Safe	Safe
50	Momin Msalajat	PSW-T1-639-55	Safe	Safe
51	Tahir & Sons Foods Pvt Ltd	TM-001	Safe	Safe
52	Tahir & Sons Foods Pvt Ltd	TM-002	Safe	Safe
53	Tahir & Sons Foods Pvt Ltd	TM-003	Safe	Safe
54	Tahir & Sons Foods Pvt Ltd	TM-004	Safe	Safe
55	Sitara Foods Products SMC	SB-01	Safe	Safe
56	Sitara Foods Products SMC Pvt	SM-02	Safe	Safe
57	Super Star Mian Food Products Pvt Ltd	SS1	Safe	Safe
58	Trusted Food Industery	TK-002	Safe	Safe
59	Trusted Food Industery	TB-001	Safe	Safe
60	HL-Hafiz Foods	308/91A1	Safe	Safe
61	Hazrat Foods	308/92B1	Safe	Safe
62	HL-Hafiz Foods	308/91A2	Safe	Safe



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UNSAFE SPICES BRANDS

S.No	Brand Name	Code	Address- Manufacturer	Quality (Safe-Unsafe)	
				Chemical	Microbiological
1	Sarhad Spices Grinding Machine	DC-01	Peshawar	Safe	Unsafe
2	Khan Foods & Products	TP-01	Peshawar	Safe	Unsafe
3	Afghan Masala	AM-01	Peshawar	Safe	Unsafe
4	Khushbodardar	MRD-SP-190-89	Mardan	Safe	Unsafe
5	Salad Foods	MRD-SP-190-91	Mardan	Safe	Unsafe
6	Khushbo Masalajat	MRD-SP-190-92	Mardan	Safe	Unsafe
7	Al Noor Masala	MRD-SP-190-93	Mardan	Safe	Unsafe
8	F & J Sons	MRD-SP-190-94	Mardan	Safe	Unsafe
9	Rare Natural	MRD-616-65	Mardan	Safe	Unsafe
10	Rare Natural	MRD-616-68A	Mardan	Safe	Unsafe
11	Amanullah Karyana Store	227/2-KPFSA-DIK (2)	DI Khan	Safe	Unsafe
12	Amanullah Karyana Store	227/2-KPFSA-DIK(2)	DI Khan	Safe	Unsafe
13	Haji Ghulam Saddique	265/73-KPFSA-DIK(2)	DI Khan	Safe	Unsafe
14	Bannu Masalajat Products	BF-01	Peshawar	Safe	Unsafe
15	Shian Foods	SWT-SF-1	Swat	Safe	Unsafe
16	Ghazi Foods	308/93A1	Bannu	Safe	Unsafe
17	Shafi Bannu Masalajat	SBM-01	Lower Dir	Safe	Unsafe
18	Khaista Gul Karyana	BNR (368-17)	Buner	Safe	Unsafe
19	Qemat Gul Salan Masala	BNR (368-19)	Buner	Safe	Unsafe
20	Usman Masalajat	NSR-495-17	Nowshera	Safe	Unsafe
21	Momin Msalajat	PSW-T1-639-54	Peshawar	Safe	Unsafe



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DISEASE POTENTIAL FROM CONTAMINATED SPICES

S. No	Contaminant	Diseases Impacts
1	Bacteriological Contamination	Diarrhea, Vomiting, Stomach Cramps, Food Poisoning, Typhoid-Like Illness, Dehydration, And In Severe Cases Septicemia
2	Aflatoxin	Liver Damage, Suppressed Immunity, Stunted Growth, And Are Strongly Linked To Liver Cancer
3	Non-Permitted Colours	Allergic Reactions, Stomach Irritation, Liver And Kidney Toxicity, Neurological Effects, And Long-Term Cancer Risk

CONCLUSIONS

The Spices Testing & Enforcement Drive (25 August – 18 September 2025) successfully identified significant gaps in quality control, hygiene practices, and regulatory compliance across the provincial spices industry. While a majority of the tested brands met physicochemical and microbiological standards, 21 out of 82 samples (25.6%) were found unsafe, primarily due to microbial contamination, use of non-permitted colours, excessive moisture content, and adulteration indicators such as elevated ash values.

These findings highlight the urgent need for strengthened Good Manufacturing Practices (GMP), improved sanitation of grinding units, strict raw-material screening, and enhanced post-processing hygiene controls. The Authority has already taken corrective measures including recall of unsafe batches, issuance of Corrective Action Notices (CANs), fines, re-testing requirements, and escalation for persistent violators.

- Moving forward, the KP-FS&HFA will ensure:
- Sustained provincial surveillance through random sampling and targeted inspections;
- Capacity building for spice processors on hygiene, HACCP, and contamination prevention;
- Public disclosure of compliant and non-compliant brands to safeguard consumer awareness; and
- Collaborative enforcement with district teams to eliminate unsafe products from the market.

Through continued vigilance, scientific testing, and sector-wide engagement, the Authority remains committed to ensuring that only safe, authentic, and high-quality spices reach consumers across Khyber Pakhtunkhwa.



GOVERNMENT OF KHYBER PAKHTUNKHWA

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CHEMICAL AND MICROBIOLOGICAL OF SPICES BRANDS

Brand Name	Brand Code	Moisture Content (By Mass)	Total Ash Content (By Mass)	Ash Insoluble in dilute HCL	Added colour	Total Aflatoxin	Yeast & Mold	E.Coli	Staph Aureus	Salmonella
PSQCA Spices Standards	-	Curry Powder: (10.0 % Max) Red Chilli- (10.0 % Max) Black Pepper- (12% Max) Ginger Powder- 12% Max Garlic Powder-5% Max Turmeric Ground-10% Max Coriander Powder- 10.0% Max Garam Masala- 12% Max Cumin (Zeera) Powder-9.0 % Max, Seasoning Powder-	No Standard Red Chilli- Max 8.0% Black Pepper- (7% Max) Ginger Powder- Max 8% Garlic Powder-6.5% Max Turmeric Ground- 9% Max Coriander Powder-7.0% Max Garam Masala, 9% Max Cumin (Zeera) Powder-9.5 % Max, Seasoning- Nilk	Curry Powder-No Standard Red Chilli- 1.3 Max Black Pepper- (1.4% Max) Ginger Powder-1.5 % Max Garlic Powder- 0.5% Max Turmeric Ground- 1.5% Max Coriander Powder- 1.5% Max Garam Masala- 1.5 % Max Cumin (Zeera)	Negative	Ginger Powder, Garlic Powder, Coriander Powder, Black Pepper, Turmeric, Red Chilli Powder, Curry Powder, Seasoning & Condiments: N.Standard- Less than 30 ppb	Ginger Powder, Garlic Powder, Coriander Powder, Black Pepper, Seasoning & Condiments: N.Standard- Less than 1000 Cfug/g Turmeric, Red Chilli Powder, Curry Powder, Seasoning & Condiments: N.Standard- Less than 1x10 ⁵	Ginger Powder, Garlic Powder, Coriander Powder, Black Pepper, Turmeric, Red Chilli Powder, Curry Powder, Seasoning & Condiments: N.Standard- Less than 100 cfu/g	Ginger Powder, Garlic Powder, Coriander Powder, Black Pepper, Turmeric, Red Chilli Powder, Curry Powder, Seasoning & Condiments: N.Standard- Less than 100 cfu/g	Ginger Powder, Garlic Powder, Coriander Powder, Black Pepper, Turmeric, Red Chilli Powder, Curry Powder, Seasoning & Condiments: N.Standard- Absent cfu/25g



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		N.Standard- 10.Max		Powder- 1.5% Max, N.Standard- 10 Max, Seasoning Powder- 4.0 Max						
Units	-	%	%	%	-	ppb	Cfu/g	Cfu/g	Cfu/g	Cfu/25g
Sarhad Spices Grinding Machine	DC-01	7.43	9.7	0.6	Negative	<3	90	Absent	Absent	Absent
Khan Foods & Products	TP-01	13.6	7.86	1.1	Negative	<3	80	Absent	Absent	Absent
Afghan Masala	AM-01	7.81	8.3	0.88	Negative	<3	450	Absent	180	Absent
Khushbodan	MRD-SP- 190-89	8.1	9.62	0.87	Negative	50	70	Absent	690	Absent
Salad Foods	MRD-SP- 190-91	9.75	15.1	0.98	Negative	31.8	220	Absent	Absent	Absent
Khushbo Masalajat	MRD-SP- 190-92	9.77	9.6	2.12	Negative	<3	Nil	Uncountable	Absent	Absent
Al Noor Masala	MRD-SP- 190-93	9.73	6.73	0.67	Negative	46.8	310	Absent	Absent	Absent
F & J Sons	MRD-SP- 190-94	11.5	14.5	0.45	Negative	<3	10	Absent	Absent	Absent
Rare Natural	MRD-616-65	8.53	22.87	1.94	Positive	<3	70	Absent	Absent	Absent
Rare Natural	MRD-616- 68A	7.12	31.72	5.11	Positive	13.09	180	Absent	Absent	Absent



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Amanullah Karyana Store	227/2-KPFSA-DIK (2)	8.57	10.94	0.81	Negative	<3	30	Absent	Absent	Absent
Amanullah Karyana Store	227/2-KPFSA-DIK(2)	7.27	13.98	3.3	Positive	10.23	20	Absent	Absent	Absent
Haji Ghulam Saddique	265/73-KPFSA-DIK(2)	3.76	7.31	1.3	Negative	37.81	420	Absent	Absent	Absent
Bannu Masalajat Products	BF-01	13.09	6.92	0.7	Negative	<3	10	40	30	Absent
Shian Foods	SWT-SF-1	11.12	7.09	0.32	Negative	<3	10	Absent	Absent	Absent
Ghazi Foods	308/93A1	7.57	11.58	1.17	Negative	9.4	170	Absent	Absent	Absent
Shafi Bannu Masalajat	SBM-01	11.93	7.2	0.6	Negative	<3	Absent	Absent	Absent	Absent
Khaista Gul Karyana	BNR (368-17)	8.94	24.3	4.27	Negative	<3	80	Absent	Absent	Absent
Qemat Gul Salan Masala	BNR (368-19)	13.6	6.7	0.6	Negative	<3	30	Absent	40	Absent
Usman Masalajat	NSR-495-17	8.71	6.97	0.79	Negative	<3	20	Absent	Absent	90
Momin Msalajat	PSW-T1-639-54	10.9	5.97	0.40	Negative	<3	10	30	Absent	40
Qadir Griding Machine	RC-01	7.95	7.26	0.72	Negative	26.06	660	Absent	Absent	Absent
Qadir Griding Machine	CM-01	5.79	33.1	0.49	Negative	<3	250	Absent	Absent	Absent



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Qalandar Foods	QM-01	8.58	30.7	0.93	Negative	<3	180	Absent	Absent	Absent
Bilal Masala	PSW639-47/T1	8.59	10.2	1	Negative	<3	30	Absent	Absent	Absent
Asli Saif Masalajat	PSW639-44/T1	8.17	9.33	0.84	Negative	<3	140	Absent	Absent	Absent
Gul Sons	MRD-SP-190-90	9.24	6	0.72	Negative	<3	230	Absent	Absent	Absent
Biryani Masala	499-42BM	8.25	27.96	0.51	Negative	4	Nil	Absent	Absent	Absent
Kitchen King	499-42KK	6.02	31.34	0.6	Negative	5.91	110	Absent	Absent	Absent
Karahi Gosht Masala	499-42KGM	6.75	26.25	0.89	Negative	3.4	50	Absent	Absent	Absent
Taj Masalajat	MRD-616-63	9.23	12.68	1	Negative	<3	60	Absent	Absent	Absent
Laziza Masalajat	MRD-616-64	9.77	5.89	1.39	Negative	<3	50	40	Absent	Absent
Rare Natural	MRD-616-65B	8.35	5.02	0.81	Negative	4.72	220	Absent	Absent	Absent
Faisal Food Lahori	MRD-616-66	6.75	28.65	1	Negative	3.73	43	Absent	Absent	Absent
Az Foods	MRD-616-67	7.33	31.37	1	Negative	<3	110	80	Absent	Absent
Umer Karyana Store	227/1-KPFSA-DIK(2)	6.91	17.72	1.14	Negative	5.04	90	Absent	60	Absent
Khalil Masalajat	265/73-KPFSA-DIK(2)	6.62	12.92	1.42	Negative	10.27	310	70	Absent	Absent
Bakhtawar Foods	265/74-KPFSA DIK(2)	10	6.93	0.88	Negative	<3	410	Absent	10	Absent



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Khalil Masalajat	265/75-KPFSADIK(2)	7.21	6.51	0.61	Negative	<3	30	Absent	20	Absent
Master Spice	NSR-495-70	6.74	21.20	1.22	Negative	<3	140	20	Absent	Absent
Bannu Masalajat	NSR-496-18	7.97	5.53	0.73	Negative	<3	170	30	20	Absent
Super Star Mia Food Pvt Ltd	SS2	8.63	10.48	0.48	Negative		120	Absent	Absent	Absent
Trusted Food Industry	TS-003	8.27	15	0.85	Negative	4.34	50	Absent	Absent	Absent
Khushbu Masalajat	SWT-Spies-420-65	7.95	11.22	0.42	Negative	<3	80	Absent	Absent	Absent
Qazi Anwar Masalajat & Tea Store	SWT-Spies-420-66	6.47	6.71	0.73	Negative	<3	270	Absent	Absent	Absent
Sana Foods	SWT-Spies-420-68	9.02	6.34	0.46	Negative	13.07	410	Absent	Absent	Absent
Karachi Masalajat	Swat-570-31	9.6	6.54	0.56	Negative	<3	80	Absent	Absent	Absent
Hazrat Foods	308/92A1	11.12	7.09	0.32	Negative	<3	10	Absent	Absent	Absent
Ghazi Foods	308/93A2	4.22	22.02	0.52	Negative	<3	40	30	Absent	Absent
Hafiz Foods	309/73A1	7.82	17.59	1.03	Negative	12.24	110	Absent	30	Absent
Hafiz Foods	309/73A2	3.64	36.98	0.7	Negative	<3	150	Absent	Absent	Absent
Hafiz Foods	309/73A3	6.62	15.89	1.9	Negative	7.25	70	Absent	Absent	Absent
Hafiz Foods	309/73A4	4.42	28.14	0.27	Negative	<3	30	Absent	Absent	Absent
Hafiz Foods	309/73A5	4.41	25.84	0.2	Negative	4.58	100	Absent	Absent	Absent
Hafiz Foods	309/73A6	3.33	46.59	0.46	Negative	4.74	90	Absent	Absent	Absent
Chacha Masalajat	CMS-01	4.15	18.04	0.28	Negative	<3	170	Absent	Absent	Absent



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Azad Waziristan Masalajat	AMS-01	7.24	7.6	0.66	Negative	<3	210	Absent	Absent	Absent
Shahzeb Bannu Masalajat	SBS-03	7.48	11.73	1.05	Negative	<3	180	10	Absent	Absent
Raza Khan Bannu Masalajat	RBS-05	8.58	10.64	1.01	Negative	5.12	330	80	20	Absent
Kundri Masalajat	ABT-M-005	9.18	6.18	0.46	Negative	12.56	Absent	30	20	Absent
Dua Foods	UD-394 (6)	9.87	8.77	0.63	Negative	3.98	220	Absent	Absent	Absent
Shah Zor Khan Masalajat	UD 394(7)	10	6	0.32	Negative	<3	230	Absent	60	Absent
Jan Masalajat	BNR (368-16)	8.15	8	1.1	Negative	<3	140	Absent	60	Absent
Chipsly Foods	TCM-13	9.27	6.5	0.53	Negative	3.83	310	Absent	10	Absent
Khyber Foods Products	PSW/639-41-T1	9.01	7.34	0.87	Negative	<3	110	10	Absent	Absent
Khyber Foods Products	PSW/639-40-T1	9.03	7.47	0.93	Negative	<3	70	Absent	Absent	Absent
Khyber Foods Products	PSW/639-39-T1	8.69	7.46	0.93	Negative	<3	40	20	Absent	Absent
Imran Packaging	MNS-IP00036	8.71	6.97	0.79	Negative	<3	20	Absent	Absent	90
Momin Msalajat	PSW-T1-639-55	8.03	25	0.74	Negative	11.17	220	Absent	Absent	Absent
Tahir & Sons Foods Pvt Ltd	TM-001	9.53	6.07	0.45	Negative	5.10	160	Absent	Absent	Absent



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Tahir & Sons Foods Pvt Ltd	TM-002	5.71	42.27	1.71	Negative	<3	10	Absent	Absent	Absent
Tahir & Sons Foods Pvt Ltd	TM-003	6.16	33.44	0.5	Negative	<3	80	40	Absent	Absent
Tahir & Sons Foods Pvt Ltd	TM-004	3.85	20.20	0.38	Negative	<3	10	80	Nil	60
Sitara Foods Products SMC	SB-01	5.13	34.41	0.20	Negative	<3	10	Nil	Nil	Absent
Sitara Foods Products SMC Pvt	SM-02	6.97	19.09	0.49	Negative	25.06	20	Nil	Nil	Absent
Super Star Mian Food Products Pvt Ltd	SS1	9.85	8.40	0.6	Negative	<3	170	Nil	Nil	Absent
Trusted Food Industry	TK-002	9.55	18.20	0.13	Negative	<3	90	Nil	30	Absent
Trusted Food Industry	TB-001	3.92	29.54	0.21	Negative	<3	150	Nil	Nil	Absent
Hl-Hafiz Foods	308/91A1	8.39	31.69	0.43	Negative	<3	20	Nil	NIL	Absent
Hazrat Foods	308/92B1	5.28	22.66	.73	Negative	3.72	280	Nil	Nil	Absent
Hl-Hafiz Foods	308/91A2	5.6	20.12	0.54	Negative	7.69	60	80	Absent	Absent