National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	GM DETECTION RESEARCH FACILITY, DIVISION OF GENOMIC RESOURCES, ICAR-NBPGR, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7492	**Page No**	1 of 7
Validity	29/06/2021 to 28/06/2023	**Last Amended on**	14/07/2021

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	BIOLOGICAL- GM PRODUCTS	Apple Seed	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
2	BIOLOGICAL- GM PRODUCTS	Apple Seed	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative: PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
3	BIOLOGICAL- GM PRODUCTS	Apple Seed	Nopaline synthase terminator (T-nos)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
4	BIOLOGICAL- GM PRODUCTS	Apple Seed	Nopaline synthase terminator (T-nos)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
5	BIOLOGICAL- GM PRODUCTS	Apple Seed	npt II (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
6	BIOLOGICAL- GM PRODUCTS	Brinjal Seed	aadA (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
7	BIOLOGICAL- GM PRODUCTS	Brinjal Seed	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
8	BIOLOGICAL- GM PRODUCTS	Brinjal Seed	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
9	BIOLOGICAL- GM PRODUCTS	Brinjal Seed	cry1Ab/Ac (transgene)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
10	BIOLOGICAL- GM PRODUCTS	Brinjal Seed	cry1Ac (transgene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
11	BIOLOGICAL- GM PRODUCTS	Brinjal Seed	Nopaline synthase terminator (T-nos)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
12	BIOLOGICAL- GM PRODUCTS	Brinjal Seed	Nopaline synthase terminator (T-nos)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)

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13	BIOLOGICAL- GM PRODUCTS	Brinjal Seed	npt II (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
14	BIOLOGICAL- GM PRODUCTS	Brinjal Seed	pat (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
15	BIOLOGICAL- GM PRODUCTS	Cotton seed / Cotton Oil / Soyabean Oil / Indian Mustard Oil / Canola Oil	Nopaline synthase terminator (T-nos)	DNA Extraction: GDRF/2020/SOP/DE-O/09 (Issue No. 1 dt. 21.12.2020) & Qualitative: PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
16	BIOLOGICAL- GM PRODUCTS	Cotton seed / Cotton Oil / Soyabean Oil / Indian Mustard Oil / Canola Oil	aadA (marker gene)	DNA Extraction: GDRF/2020/SOP/DE-O/09 (Issue No. 1 dt. 21.12.2020) & Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
17	BIOLOGICAL- GM PRODUCTS	Cotton seed / Cotton Oil / Soyabean Oil / Indian Mustard Oil / Canola Oil	Cauliflower Mosaic Virus 35S promoter (P-35S)	DNA Extraction: GDRF/2021/SOP/DE-O/09 (Issue No. 1 dt. 21.12.2020) & Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
18	BIOLOGICAL- GM PRODUCTS	Cotton Seed / Cotton Oil / Soyabean Oil / Indian Mustard Oil / Canola Oil	Cauliflower Mosaic Virus 35S promoter (P-35S),	DNA Extraction: GDRF/2020/SOP/DE-O/09 (Issue No. 1 dt. 21.12.2020) & Qualitative: PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
19	BIOLOGICAL- GM PRODUCTS	Cotton seed / Cotton Oil / Soyabean Oil / Indian Mustard Oil / Canola Oil	cry1Ab/Ac (transgene)	DNA Extraction: GDRF/2021/SOP/DE-O/09 (Issue No. 1 dt. 21.12.2020) & Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
20	BIOLOGICAL- GM PRODUCTS	Cotton seed / Cotton Oil / Soyabean Oil / Indian Mustard Oil / Canola Oil	cry1Ac (transgene)	DNA Extraction: GDRF/2020/SOP/DE-O/09 (Issue No. 1 dt. 21.12.2020) & Qualitative: PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)

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21	BIOLOGICAL- GM PRODUCTS	Cotton seed / Cotton Oil / Soyabean Oil / Indian Mustard Oil / Canola Oil	ctp2-cry2Ab2 construct	DNA Extraction: GDRF/2020/SOP/DE-O/09 (Issue No. 1 dt. 21.12.2020) & Qualitative: PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
22	BIOLOGICAL- GM PRODUCTS	Cotton seed / Cotton Oil / Soyabean Oil / Indian Mustard Oil / Canola Oil	Figwort Mosaic Virus promoter (p-FMV)	DNA Extraction: GDRF/2020/SOP/DE-O/09 (Issue No. 1 dt. 21.12.2020) & Qualitative: PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
23	BIOLOGICAL- GM PRODUCTS	Cotton seed / Cotton Oil / Soyabean Oil / Indian Mustard Oil / Canola Oil	Nopaline synthase terminator (T-nos)	DNA Extraction: GDRF/2021/SOP/DE-O/09 (Issue No. 1 dt. 21.12.2020) & Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
24	BIOLOGICAL- GM PRODUCTS	Cotton seed / Cotton Oil / Soyabean Oil / Indian Mustard Oil / Canola Oil	npt II (marker gene)	DNA Extraction: GDRF/2020/SOP/DE-O/09 (Issue No. 1 dt. 21.12.2020) & Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
25	BIOLOGICAL- GM PRODUCTS	Cotton seed / Cotton Oil / Soyabean Oil / Indian Mustard Oil / Canola Oil	pat (marker gene)	DNA Extraction: GDRF/2020/SOP/DE-O/09 (Issue No. 1 dt. 21.12.2020) & Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
26	BIOLOGICAL- GM PRODUCTS	Flax-Seed	Nopaline synthase terminator (T-nos)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
27	BIOLOGICAL- GM PRODUCTS	Flax-Seed	Nopaline synthase terminator (T-nos)	Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
28	BIOLOGICAL- GM PRODUCTS	Flax-Seed	nptII (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
29	BIOLOGICAL- GM PRODUCTS	Indian Mustard/ Canola (Seed)	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)

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30	BIOLOGICAL- GM PRODUCTS	Indian Mustard/ Canola Seed	aadA (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
31	BIOLOGICAL- GM PRODUCTS	Indian Mustard/ Canola Seed	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
32	BIOLOGICAL- GM PRODUCTS	Indian Mustard/ Canola Seed	cry1Ab/Ac (transgene)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
33	BIOLOGICAL- GM PRODUCTS	Indian Mustard/ Canola Seed	cry1Ac (transgene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
34	BIOLOGICAL- GM PRODUCTS	Indian Mustard/ Canola Seed	Figwort Mosaic Virus promoter (p-FMV)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
35	BIOLOGICAL- GM PRODUCTS	Indian Mustard/ Canola Seed	Nopaline synthase terminator (T-nos	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
36	BIOLOGICAL- GM PRODUCTS	Indian Mustard/ Canola Seed	Nopaline synthase terminator (T-nos)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
37	BIOLOGICAL- GM PRODUCTS	Indian Mustard/ Canola Seed	npt II (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
38	BIOLOGICAL- GM PRODUCTS	Indian Mustard/ Canola Seed and oil	pat (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
39	BIOLOGICAL- GM PRODUCTS	Maize seed	cry1Ab/Ac (transgene)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
40	BIOLOGICAL- GM PRODUCTS	Maize seed	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
41	BIOLOGICAL- GM PRODUCTS	Maize seed	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)

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42	BIOLOGICAL- GM PRODUCTS	Maize seed	cry1Ac (transgene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
43	BIOLOGICAL- GM PRODUCTS	Maize seed	ctp2-cry2Ab2 construct	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
44	BIOLOGICAL- GM PRODUCTS	Maize seed	Figwort Mosaic Virus promoter (p-FMV)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
45	BIOLOGICAL- GM PRODUCTS	Maize seed	Nopaline synthase terminator (T-nos)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
46	BIOLOGICAL- GM PRODUCTS	Maize seed	Nopaline synthase terminator (T-nos)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
47	BIOLOGICAL- GM PRODUCTS	Maize seed	npt II (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
48	BIOLOGICAL- GM PRODUCTS	Maize seed	pat (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
49	BIOLOGICAL- GM PRODUCTS	Papaya Seed	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
50	BIOLOGICAL- GM PRODUCTS	Papaya Seed	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
51	BIOLOGICAL- GM PRODUCTS	Papaya Seed	Nopaline synthase terminator (T-nos)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
52	BIOLOGICAL- GM PRODUCTS	Papaya Seed	Nopaline synthase terminator (T-nos)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
53	BIOLOGICAL- GM PRODUCTS	Papaya Seed	npt II (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
54	BIOLOGICAL- GM PRODUCTS	Rice Grain	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)

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55	BIOLOGICAL- GM PRODUCTS	Rice Grain	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
56	BIOLOGICAL- GM PRODUCTS	Rice Grain	cry1Ab/Ac (transgene)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
57	BIOLOGICAL- GM PRODUCTS	Rice Grain	cry1Ac (transgene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
58	BIOLOGICAL- GM PRODUCTS	Rice Grain	Nopaline synthase terminator (T-nos)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
59	BIOLOGICAL- GM PRODUCTS	Rice Grain	Nopaline synthase terminator(T-nos)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
60	BIOLOGICAL- GM PRODUCTS	Rice Grain	pat (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
61	BIOLOGICAL- GM PRODUCTS	Soybean seed	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
62	BIOLOGICAL- GM PRODUCTS	Soybean seed	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
63	BIOLOGICAL- GM PRODUCTS	Soybean seed	cry1Ab/Ac (transgene)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
64	BIOLOGICAL- GM PRODUCTS	Soybean seed	cry1Ac (transgene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
65	BIOLOGICAL- GM PRODUCTS	Soybean seed	Figwort Mosaic Virus promoter (p-FMV)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
66	BIOLOGICAL- GM PRODUCTS	Soybean seed	Nopaline synthase terminator (T-nos)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)

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67	BIOLOGICAL- GM PRODUCTS	Soybean seed	Nopaline synthase terminator (T-nos)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
68	BIOLOGICAL- GM PRODUCTS	Soybean seed	pat (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
69	BIOLOGICAL- GM PRODUCTS	Wheat (Grain)	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
70	BIOLOGICAL- GM PRODUCTS	Wheat (Grain)	Cauliflower Mosaic Virus 35S promoter (P-35S)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
71	BIOLOGICAL- GM PRODUCTS	Wheat (Grain)	Nopaline synthase terminator (T-nos)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)
72	BIOLOGICAL- GM PRODUCTS	Wheat (Grain)	Nopaline synthase terminator (T-nos)	Qualitative SYBR Green Real time PCR GDRF/2020/SOP/QD/05 (Issue No. 2, dt. 10.02.2021)
73	BIOLOGICAL- GM PRODUCTS	Wheat Grain	pat (marker gene)	Qualitative PCR GDRF/2020/SOP/QD/04 (Issue No. 2 dt. 10.02.2021)