Certificate of Analysis

Report Issued To: Nootropics Depot | 8380 S. Kyrene Rd., Suite 110, Tempe, AZ 85284

Product Information			
Product Name:	Immune Defense Capsules	CoA #:	ND-26-1200
Product Size:	120 count	Lot Number:	IMDCS1101226
Production Date:	10/12/2026	Capsule Batch #:	IMDCSLL0325VEG
Report Date:	10/12/2026	Capsule Material:	Vegetable Capsules
Best By Date:	10/2029	Capsule Size	Size 00
Appearance:	Brownish powder in clear capsules	Capsule Color:	Clear
Other Ingredients:	Microcrystalline Cellulose		

Organoleptic Testing Results:

Test	Specification	Result	Pass/Fail
Color	Org. Tube # 1039	Conforms	Pass
Smell	Org. Tube # 1039	Conforms	Pass

Physical Testing Results:

Test	Specification	Result	Pass/Fail
Capsule Fill Weight	≥712mg/capsule	715.2mg/capsule	Pass
Capsule Mass Test	USP <2091> Test 1	840mg/capsule	Pass

Ingredients

Ingredient Name	Content	Raw Material Batch #	Raw Material Spec #
Black Seed Extract (5% Thymoquinone)	50mg/capsule	NGS0140824	237
Sucrosomial Zinc	10mg/capsule	SZN0191024	131_v3
Functional yeast extract	250mg/capsule	YST0451024S1/S2	213_v1
Oleamide	50mg/capsule	OLE0401024	135
Palmitoylethanolamide Micronized	100mg/capsule	PEA0160325	085_v6
Tyrosol	5mg/capsule	TYS0430324	092
Red Reishi 16:1 Mushroom Extract	50mg/capsule	LG160570321S1	212
Turkey Tail 8:1 Mushroom Extract	150mg/capsule	TVC80570324	059_v7

Analytical Testing

Test	Method	Methodology	Specification	Result	Pass/Fail
Identity - Black Seed Extract (5% Thymoquinone)	LAB TM-051	HPTLC	Has Characteristics of BRM	Has Characteristics of BRM	Pass
Identity- Sucrosomial Zinc	LAB TM-001	FTIR	95%	Conforms	Pass
Identity - Functional yeast extract	LAB TM-091	HPTLC	Matches to Internal Standard	Has Characteristics of Internal Standard	Pass
Identity - Oleamide	LAB TM-001	FTIR	≥ 95%	98%	Pass
Identity- Palmitoylethanolamide Micronized	LAB TM-001	FTIR	≥ 95% Match to Library Standard	96%	Pass
Identity - Tyrosol	LAB TM-001	FTIR	≥ 95%	99%	Pass
Identity - Red Reishi 16:1 Mushroom Extract	LAB TM-079	HPTLC	Sample Bands Match Reference Bands	Conforms	Pass
Identity- Turkey Tail 8:1 Mushroom Extract	LAB TM-069	HPTLC	Has Characteristics of BRM	Has Characteristics of BRM	Pass
Assay - Thymoquinone Assay	UPLC	UPLC	≥ 2.5mg/capsule	3mg/capsule	Pass
Assay - Yeast Extract (β-Glucans)	LAB TM-078	Megazyme	≥ 125mg/capsule	183.3mg/capsule	Pass
Assay -Palmitoylethanolamide Micronized	1H qNMR	1H qNMR	≥100mg/capsule	104.2mg/capsule	Pass
Assay - Tyrosol	LAB TM-042	UPLC	≥ 5mg/capsule	5.4mg/capsule	Pass
Assay - Red reishi (β-Glucans)	LAB TM-078	Megazyme	≥ 7.5mg/capsule	33.1mg/capsule	Pass
Assay - Red reishi (α-Glucans)	LAB TM-078	Megazyme	≤ 2.5mg/capsule	1.6mg/capsule	Pass

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Test	Method	Methodology	Specification	Result	Pass/Fail
Assay - Turkey Tail (β-Glucans)	LAB TM-078	Fluorescence	≥ 45mg/capsule	79.6mg/capsule	Pass
Assay - Turkey Tail (α-Glucans)	LAB TM-078	Fluorescence	Report Only	18mg/capsule	Pass
Heavy Metals	ICP-MS Metals - USP <233>/<730> Apex Metals-011/Metals-008	ICP/ICPMS	< 0.5 ppm ea.	As 0.1092 ppm Cd 0.0460 ppm Hg 0. 0108 ppm Pb 0.0815 ppm	Pass
Water Activity	LAB TM-012	Water Activity	< 0.73	0.17	Pass

Final Approval

Kennedi Enoch, Quality Liaison

PJLA Testing
Accreditation #113861