

Certificate of Analysis

Botanical Extract / Functional Ingredient — Reference Template

Product Name	Sample Botanical Extract (SAMPLE — replace with actual product)
Botanical / Source	SAMPLE — e.g., Curcuma longa / Camellia sinensis
Batch / Lot No.	HS-XXXX-XX (SAMPLE)
Manufacturing Date	YYYY-MM-DD (SAMPLE)
Expiry / Retest Date	YYYY-MM-DD (SAMPLE)
Quantity	XX kg (SAMPLE)
Storage	Cool, dry place, away from light; sealed container

Specification & Test Results

Test Item	Method	Specification	Result	Unit
Identification	TLC / HPLC	Conforms	Conforms	-
Assay (marker)	HPLC	≥ 95.0	96.2	%
Appearance	Organoleptic	Fine powder	Fine powder	-
Color	Visual	Characteristic	Characteristic	-
Odor	Organoleptic	Characteristic	Characteristic	-
Particle size (80 mesh)	Sieve	≥ 95.0	98.5	%
Loss on Drying	GB 5009.3	≤ 5.0	3.8	%
Total Ash	GB 5009.4	≤ 5.0	4.1	%
Lead (Pb)	ICP-MS	≤ 2.0	0.6	ppm
Arsenic (As)	ICP-MS	≤ 1.0	0.3	ppm
Cadmium (Cd)	ICP-MS	≤ 1.0	0.2	ppm
Mercury (Hg)	ICP-MS	≤ 0.1	0.05	ppm
Total Plate Count	GB 4789.2	≤ 1000	210	cfu/g
Yeast & Mold	GB 4789.15	≤ 100	40	cfu/g
E. coli	GB 4789.3	Negative	Negative	-
Salmonella	GB 4789.4	Negative	Negative	-
Residual Solvents	GC	Meets EP/USP	Conforms	-
Pesticides	LC-MS/MS	Meets EP/USP	Conforms	-

Conclusion

The above sample conforms to the established specification. **This is a SAMPLE template with placeholder values — not a real batch COA.** Actual documents are issued per batch upon order.

Analyst: _____ Reviewer: _____ QA Release: _____

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