

# Certificate of Analysis (COA) Template — Food Grade SHMP (E452(i))

Landscape format for easier QA review and printing. Fill all fields with batch-specific test results and attach supporting lab records. For reference only.

Supplier	_____	Customer / Brand	_____
Product Name	Sodium Hexametaphosphate (SHMP)	E-Number / INS	E452(i) / 452(i)
Batch / Lot No.	_____	Production Date	____-__-__
COA Issue Date	____-__-__	Shelf Life	24 months (typical)
Packaging	25 kg inner-lined bag (typical)	Destination Market	_____
Applicable Standard	GB 1886.4-2020 / EU 231/2012 / FCC / Customer Spec: _____	Testing Lab	In-house / Third-party (SGS/Intertek/...)
Report / Reference No. (optional)	_____	Contact	_____

Key Quality & Purity Results (fill with actual results; include method/reference where applicable)

Item	Specification Limit	Test Result	Unit	Method / Reference	Remark (optional)
Total Phosphate (as P <sub>2</sub> O <sub>5</sub> )	68.0 (or customer spec)	____.____	%	GB Annex A / EU / FCC	
Inactive Phosphate (as P <sub>2</sub> O <sub>5</sub> )	7.5	____.____	%	GB Annex A	
pH (1% solution)	5.8 – 6.5 (or customer spec)	____.____	-	pH meter	
Loss on ignition (if required)	_____	____.____	%	GB Annex A	
Water insoluble matter	0.05 (or customer spec)	____.____	%	GB Annex A / EU	
Arsenic (As)	3 (or buyer/EU spec)	____.____	mg/kg	ICP-MS / AAS	
Lead (Pb)	1 (or buyer/EU spec)	____.____	mg/kg	ICP-MS / AAS	
Fluoride (F)	30 (or buyer/EU spec)	____.____	mg/kg	Ion-selective	
Iron (Fe) (if required)	_____	____.____	mg/kg	ICP-OES / AAS	
Appearance	White powder / flakes	_____	-	Visual inspection	
Odor	No abnormal odor	_____	-	Sensory	

Compliance Statements (tick / fill as applicable)

Batch COA attached	SDS/MSDS available	Third-party test report attached (SGS/Intertek): Report No. _____
HALAL certificate available	KOSHER certificate available	ISO 22000 / HACCP documents available
Non-GMO statement available	Gluten-free statement available	Allergen statement available

Authorized Signature

Name / Title	_____	Signature	_____
Company Stamp	_____	Date	____-__-__

Disclaimer: This COA template is provided for QA review convenience. Final batch compliance is determined by actual test results and destination-market regulations.