



Certificate of Analysis

COA-ASD-629-L001
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Product Details

Product Name	Quinoline Yellow (Food Grade E104)
Trade Name	Quinoline Yellow GT7040
Catalog No.	ASD-629
CAS No.	8004-92-0
C.I. No.	47005 (Acid Yellow 3)
Lot No.	QY260301
Mfg. Date	March 2026
Retest Date	March 2028
Grade	Food Grade / Pharmaceutical Grade / Cosmetic Grade

Document Information

COA No.	COA-ASD-629-L001
Issue Date	March 2026
Issued By	AuSaMicS Quality Control
Test Ref.	EU E104 Spec. / JECFA / FSANZ

Test Results & Analytical Data

Test Parameter	Specification / Limit	Method	Batch Result	Status
Total Dye Content (dried 105±1°C / 2h)	Min. 70.0%	UV-Vis spectrophotometry (dried weight)	72.6%	PASS
Loss on Drying (135°C) & Chlorides/Sulphates	Max. 18–20%	Gravimetric — 135°C to constant weight	12.20%	PASS
Water-Insoluble Matter	Max. 0.2%	Filtration 0.45 µm; gravimetric	0.05%	PASS
Combined Ether Extracts	Max. 0.2%	Liquid-liquid extraction; gravimetric	0.050%	PASS
Subsidiary Dyes	Max. 3.0%	HPLC / TLC	0.1%	PASS
Dye Intermediates	Max. < 0.5%	HPLC	< 0.5%	PASS
Lead (Pb)	Max. < 10 mg/kg	ICP-MS / AAS	< 10 mg/kg	PASS



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Test Parameter	Specification / Limit	Method	Batch Result	Status
Arsenic (As)	Max. < 3 mg/kg	ICP-MS / AAS	< 2 mg/kg	PASS
Heavy Metals (total, Pb equiv.)	Max. < 40 mg/kg	ICP-MS	< 40 mg/kg	PASS
Identity (UV-Vis spectrum)	Characteristic absorption for C.I. 47005	UV-Vis comparison vs. ref.	Conforms	PASS
EU E104 Compliance	Full conformance with EU Regulation 1333/2008 E104 specifications	Compositional + performance review	Conforms	CONFORM

Conclusion: Lot QY260301 fully meets all specifications for Quinoline Yellow (E104) as defined by EU Regulation (EC) No. 1333/2008, JECFA, and FSANZ. Total dye content 72.6% (min. 70%), subsidiary dyes 0.1% (max. 3.0%), all heavy metals within limits. This lot is **RELEASED for use.**

Quality Control Analyst

AuSaMicS Quality Control Department
Date: March 2026 | Signature:

Quality Manager

AuSaMicS Pty Ltd
Date: March 2026 | Signature:

Disclaimer: AuSaMicS Pty Ltd (ABN 56 676 640 467) warrants that this product meets the specifications stated herein at time of manufacture and release. Customers are responsible for ensuring compliance with local food safety regulations in their specific region of use. AuSaMicS Pty Ltd shall not be held liable for any direct, indirect, incidental, or consequential damages resulting from use outside the intended application. By using this product the purchaser agrees to these terms.