

Certificate of Analysis

Custom Mix 6

Catalog Number: Lot Number: Manufacture Date:	Q-10216-O 210727 07/21/2021			Expiration: Matrix: Hazards:	07/31/2024 Soil Irritant
<u>Analyte</u>		CAS	Analyte <u>Purity</u>	Gravimetric <u>Concentration</u> <u>(mg/kg)</u>	Acceptance Limits (mg/kg)
Benzo(k)fluoranthene	9	207-08-9	100%	5.02 ± 0.05	2.51 - 7.54
Acenaphthene		83-32-9	99%	4.17 ± 0.04	2.09 - 6.26
Acenaphthylene		208-96-8	99.1%	4.68 ± 0.04	2.34 - 7.02
Anthracene		120-12-7	99.7%	6.10 ± 0.06	3.05 - 9.15
Fluorene		86-73-7	98.0%	5.78 ± 0.05	2.89 - 8.67
Naphthalene		91-20-3	99.8%	3.58 ± 0.03	1.79 - 5.37
Phenanthrene		85-01-8	98.7%	3.79 ± 0.04	1.90 - 5.69
Benz(a)anthracene		56-55-3	97.1%	3.92 ± 0.04	1.96 - 5.88
Benzo(a)pyrene		50-32-8	100%	4.41 ± 0.04	2.21 - 6.62
Chrysene		218-01-9	99.8%	3.64 ± 0.03	1.82 - 5.47
Fluoranthene		206-44-0	99.8%	4.35 ± 0.04	2.18 - 6.53
Indeno(1,2,3-c,d)pyrene		193-39-5	99.8%	4.14 ± 0.04	2.07 - 6.21
Pyrene		129-00-0	100%	5.39 ± 0.05	2.70 - 8.09
Benzo(b)fluoranthene	9	205-99-2	100%	4.33 ± 0.04	2.17 - 6.50
Benzo(g,h,i)perylene		191-24-2	97.1%	4.50 ± 0.04	2.25 - 6.75
Dibenz(a,h)anthracene		53-70-3	99.9%	5.20 ± 0.05	2.60 - 7.79

This certified reference material (CRM) was manufactured and certified by NSI Lab Solutions according to quality procedures meeting our accreditation requirements of ISO 17034:2016 and ISO/IEC 17025:2017. Our certificates and scopes of accreditation may be viewed at www.anab.org.

Storage & Instructions For Use

Store the sample at 2-8°C.

Allow sample to equilibrate to room temperature.

This sample has been designed to be totally used. Do not subsample since intra-sample homogeniety cannot be assured. Transfer the entire contents of the sample vial and rinse the vial with 2 small aliquots of extraction solvent adding rinseates to the extraction vessel. Complete the analysis according to your normal procedures. Report results in units of mg/kg assuming a 30 g sample size.

No dry weight correction is required.



ISO 9001:2015 UI Registered Firm - Certificate #10002343 QM15



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Traceability Information

Analyte Source Materials: The highest purity analyte source materials are used in the manufacture of this sample. Analyte source material purity and associated uncertainty has been analytically verified against appropriate NIST SRMs, where available.

Balance: All analytical balances are calibrated on a semiannual basis by an ISO 17025 accredited calibration laboratory and are traceable to NIST. Traceable Calibration Certificate available upon request.

All balances are checked daily by an in-house standard operating procedure. The weights used for this daily verification are calibrated annually by an ISO 17025 accredited calibration laboratory and are certified traceable to NIST. Certificate of Calibration and Traceability available upon request.

Thermometer: All thermometers are NIST traceable through thermometers that are calibrated annually by an ISO 17025 accredited calibration laboratory.

Glassware: All glassware used in the manufacture of our samples is Class A. An in-house standard operating procedure is used to verify all glassware prior to it being placed into service. Volumetric pipetors are calibrated every four months by an ISO 17025 accredited calibration laboratory.

Intended Uses

- Calibration of analytical instruments
- Validation of analytical methods
- · Preparation of working level reference materials, i.e. "check standards"
- Detection limit studies

Ken Grzybowski

Ken Grzybowski, Organics Department Manager

Mark Hammersla

Mark Hammersla, President

