Absolute Standards, Inc.
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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number:	**99190**	**Solvent(s):**	**Lot#**	
Lot Number:	050321	Methylene chloride	105345	
Description:	GRO Standard C6-C9			
	4 components			
Expiration Date:	050331			
Recommended Storage:	Refrigerate (4 °C)			
Nominal Concentration (µg/mL):	100000 **Total**			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	25.0	0.059	Flask Uncertainty	

		050321
Formulated By:	Benson Chan	DATE
		050321
Reviewed By:	Pedro L. Rentas	DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	n-Hexane	962	SHBL0924	25000	99	0.2	0.63242	0.63351	25042.9	154.9	110-54-3	50 ppm(180mg/m3/8H)	orl-rat 28710mg/kg
2.	n-Heptane	963	SHBG6318V	25000	99	0.2	0.63242	0.63331	25035.0	154.9	142-82-5	400 ppm(1600mg/m3/8H)	ivn-mus 222mg/kg
3.	n-Octane	964	SHBG6524V	25000	99	0.2	0.63242	0.63362	25047.2	154.9	111-65-9	300 ppm(1450mg/m3/8H)	N/A
4.	n-Nonane	236	00946TO	25000	99	0.2	0.63242	0.63344	25040.1	154.9	111-84-2	200 ppm (1050mg/m3/8H)	ivn-mus 218mg/kg

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**