

石油标样

P-N-A, P-O-N-A, P-I-A-N-O 标样

产品名称				体积	货号
正构烷烃	n-Decane, 6.703%	n-Nonane, 13.204%	n-Tetradecane, 5.903%	0.1ml	44585U
混标	n-Dodecane, 7.768 %	n-Octane, 10.088%	n-Tridecane, 6.371%		
	n-Heptane, 12.239%	n-Pentadecane, 7.723%	n-Undecane, 7.645%		
	n-正己烷, 10.963%	n-Pentane, 11.393%			
	2,2,3-Trimethylbutane, 3.149%	2,5-Dimethylhexane, 3.195%	3,5-Dimethylheptane (D), 0.378%	0.1ml	44586U
	2,2,3-Trimethylpentane, 3.185%	2-Methylheptane, 4.641%	3,5-Dimethylheptane (L), 0.378%		
	2,2-Dimethylhexane, 1.439%	2-Methylhexane, 3.551%	3-Ethylhexane, 2.927%		
	2,2-Dimethyloctane, 3.126%	2-Methylnonane, 3.343%	3-Ethylheptane, 3.301%		
异链烷烃	2,2-Dimethylpentane, 4.189%	2-Methylheptane, 5.093%	3-Ethylpentane, 1.600%		
混标	2,3-Dimethylbutane, 1.438%	2-Methylpentane, 4.356%	3-Methylheptane, 3.785%		
	2,3-Dimethylheptane, 1.540%	3,3-Diethylpentane, 3.335%	3-Methylhexane, 4.456%		
	2,3-Dimethylhexane, 1.365%	3,3-Dimethylheptane, 3.258%	3-Methylnonane, 3.387%		
	2,3-Dimethyloctane, 1.646%	3,3-Dimethyloctane, 1.718%	3-Methyloctane, 2.731%		
	2,3-Dimethylpentane, 1.612%	3,3-Dimethylpentane, 1.308%	3-Methylpentane, 3.147%		
	2,4-Dimethylhexane, 1.574%	3,4-Dimethylheptane (D), 1.722%	4-Methylheptane, 3.377%		
	2,4-Dimethylpentane, 3.116%	3,4-Dimethylheptane (L), 2.022%	Isopentane, 2.553%		
	2,5-Dimethylheptane, 3.081%				
芳香物	1,2,4,5-Tetramethylbenzene, 1.966%	Methyl-2-n-propylbenzene, 1.449%	m-Xylene, 2.939%	0.1ml	44587
混标	1,2,4-Triethylbenzene, 3.104%	1-Methyl-3-ethylbenzene, 2.903%	n-Butylbenzene, 2.894%		
	1,2,4-Trimethylbenzene, 4.315%	1-Methyl-3-isopropylbenzene, 1.403%	n-Hexylbenzene, 4.641%		
	1,2-Diethylbenzene, 3.063%	1-Methyl-3-n-propylbenzene, 3.214%	n-Pentylbenzene, 1.466%		
	1,2-Dimethyl-3-ethylbenzene, 2.956%	1-Methyl-4-ethylbenzene, 3.166%	n-Propylbenzene, 1.705%		
	1,2-Dimethyl-4-ethylbenzene, 2.706%	Methyl-4-isopropylbenzene, 2.789%	o-Xylene, 3.208%		
	1,3,5-Triethylbenzene, 1.850%	1-Methyl-4-n-propylbenzene, 1.444%	p-Xylene, 2.982 %		
	1,3,5-Trimethylbenzene, 3.427%	2-Methylbutylbenzene, 1.432%	sec-Butylbenzene, 1.469%		
	1,3-Dimethyl-2-ethylbenzene, 2.702%	Benzene, 3.139%	t-1-Butyl,3,5-dimethylbenzene, 2.920%		
	1,3-Dimethyl-5-ethylbenzene, 1.306%	Ethylbenzene, 1.570%	t-1-Butyl-4-ethylbenzene, 2.900%		
	1,4-Dimethyl-2-ethylbenzene, 2.985%	Isobutylbenzene, 0.845%	tert-Butylbenzene, 2.667%		
	1-Methyl-2-ethylbenzene, 4.460%	Isopropylbenzene, 3.127%			
	1-Methyl-2-isopropylbenzene, 2.631%	Toluene, 4.563%			
环烷烃	1,1,2-Trimethylcyclohexane, 3.324%	Isopropylcyclopentane, 1.853%	ctc-1,2,4-Trimethylcyclopentane, 3.721%	0.1ml	44588
混标	1,1,4-Trimethylcyclohexane, 4.873%	Methylcyclohexane, 8.992%	ctt-1,2,4-Trimethylcyclohexane, 1.501%		
	1,1-Dimethylcyclopentane, 3.370%	Methylcyclopentane, 8.728%	n-Butylcyclopentane, 3.420%		
	1-Ethyl-1-methylcyclopentane, 1.634%	ccc-1,2,3-Trimethylcyclopentane, 1.622%	n-Propylcyclopentane, 1.966%		
	Cyclohexane, 5.758%	ccc-1,3,5-Trimethylcyclohexane, 2.983%	t-1-Methyl-2-(4MP)cyclopentane, 1.636%		
	Cyclopentane, 5.805%	cct-1,2,4-Trimethylcyclopentane, 1.438%	t-1-Methyl-2-propylcyclohexane, 3.576%		
	Ethylcyclopentane, 1.773%	cis-1,2-Dimethylcyclohexane, 3.065%	trans-1,2-Dimethylcyclohexane, 3.644%		
	Isobutylcyclohexane, 3.805%	cis-1,3-Dimethylcyclopentane, 1.962%	trans-1,2-Dimethylcyclopentane, 3.087%		
	Isobutylcyclopentane, 3.419%	ctc-1,2,3-Trimethylcyclopentane, 3.419%	trans-1,3-Dimethylcyclopentane, 2.689%		
	Isopropylcyclohexane, 3.437%	ctc-1,2,4-Trimethylcyclohexane, 3.510%	trans-1,4-Dimethylcyclohexane, 3.713%		
	1-Decene, 7.665% ,1-Heptene, 8.716%	3-Methyl-1-butene, 1.478%	cis-3-Nonene, 1.946%	0.1ml	44589
	1-Hexene, 7.693%	4-Methylpentene-1	trans-2-Heptene, 2.206%		
	1-Nonene, 9.192%	cis-2-Heptene, 4.338%	trans-2-Hexene, 1.744%		

烯烃混标	1-Octene, 8.220%	cis-2-Hexene, 1.825%	trans-2-Nonene, 2.091%
	1-Pentene, 5.640%	cis-2-Nonene, 1.881%	trans-2-Octene, 2.206%
	2-Methyl-1,3-butadiene, 2.389%	cis-2-Octene, 4.766%	trans-2-Pentene, 4.024%
	2-Methyl-1-butene, 1.880%	cis-2-Pentene, 2.305%	trans-3-Heptene, 2.173%
	2-Methylpentene-2, 4.054%	cis-3-Heptene, 4.587%	trans-3-Nonene, 2.256%

P-I-A-N-O 混标 Aromatics, 23.3% , Isoparaffins, 18.8% Naphthenes, 20.5%, Olefins, 18.5% n-Paraffins, 18.9% 0.1ml 44593U

P-I-A-N-O 套装	Aromatics 混标 (44587)	Naphthenes 混标 (44588)	P-I-A-N-O 混标 (44593-U)	0.1ml	44594U
	Isoparaffins 混标 (44586-U)	Olefins 混标 (44589)	n-Paraffins 混标 (44585-U)		

石脑油类

ASTM D5134 标样

产品名称				规格	货号
2,3,3-Trimethylpentane, 2, 3, 3-三甲基戊烷	纯品			500mg	502081
ASTM D5134 定性柱评价混标	2,3,3-Trimethylpentane, 1%	4-Methylheptane, 1%	n-Heptane, 1%		502103
	2-Methylheptane, 1%	Toluene, 0.5%	n-Octane, 1%		
ASTM D5134 分流线性检测混标	2,4-Dimethylheptanetane,	n-Heptane	n-hexane	500mg	506753
	2,4-Dimethylhexane	Benzene	n-Nonane	10%	
	2-Methylheptane	Toluene	n-Octane		
	2-Methylhexane				

定性参比物

产品名称		数量	货号
ASTM D5134 Qualitative Reference Alkylate Standard	Approximately 30 identified components. 纯品 fraction	6×1ml	48267U
ASTM D5134 Qualitative Reference Naphtha Standard	Approximately 100 identified components. 纯品 fraction	6×1ml	48265U
ASTM D5134 Qualitative Reference Reformate Standard	Approximately 70 identified components. 纯品 fraction	6×1ml	48266
ASTM D5134 Qualitative Reference Refinery Standard 套装	2 x 1mL of each of the three qualitative 参比 标样 (48267-U, 48266, 48265-U)		48268

蜡状物

ASTM D5442 标样

产品名称		百分含量	包装	货号
ASTM D5442 C12-C60 定量线性标准	C12、C14、C16、C18、C20、C22、C24、C26	Each 0.01%	1mL	502235
	C28、C30、C32、C36、C40、C44、C50、C60	weight percent	6*1mL	502243
ASTM D5442 C12-C60 保留时间混标	C12、C14、C16、C18、C20、C22、C24、C26	Neat, Each 6.25%	500mg	500623
	C28、C30、C32、C36、C40、C44、C50、C60	weight percent		
ASTM D5442 C16-C44 定量线性标准	C16、C18、C20、C22、C24、C26、C28、C30	Each 0.01%	1mL	502278
	C32、C36、C40、C44、C50、C60	weight percent	6*1mL	502286
ASTM D5442 C16-C44 保留时间混标	C16、C18、C20、C22、C24、C26、C28、C30	Neat, Each 8.3%	500mg	502251
	C32、C36、C40、C44、C50、C60	weight percent		

高分子量碳氢化合物标样

产品描述	货号	产品描述	货号
Hexacontane, 纯品, 50mg 六十烷	48893	Polywax 655, 纯品, 5000mg	48477
	48595	Polywax 655, 10000 μ g/ml 邻二甲苯, 6×ml	48482
	48475	n-Tetratetracontane 四十四烷, 纯品, 50mg	48598
	48480U		

正-石蜡定性混合物

产品描述	包装	货号	产品描述	包装	货号
正构烷烃 混标 C5,C6,C7,C8, 纯品	500mg	47100	正构烷烃 混标 C22,C24,C28,C32, 2 %(wt/wt) in n-octane	5ml	47106
正构烷烃 混标 C7,C8,C9,C10, 纯品	500mg	47101	正构烷烃 混标 C24,C28,C32,C36,, 2 %(wt/wt) in n-octane	5ml	47107

SIMDIS

ASTM D3710 标样

产品名称	产品描述						体积	货号
ASTM D3710 定量校准混标	2,4-Dimethylpentane, 5.4%		n-Butylbenzene, 3.2%		n-Pentane, 7.6%		6×1ml	48884
	2-Methylbutane, 9.7%		n-Dodecane, 3.2%		n-Propane, 1.5%		1×1ml	506427
	2-Methylpentane, 5.4%		n-Heptane, 9.7%		n-Propylbenzene, 4.3%			
	2-Methylpropane, 1.5%		n-hexane, 5.4%		n-Tetradecane, 2.2%			
	Toluene, 10.8%		n-Octane, 5.4%		n-Tridecane, 2.2%			
	n-Butane, 4.5%		n-Pentadecane, 2.2%		p-Xylene,13.0% n-Decane, 3.2%			
ASTM D3710 定量校准混标	2,4-Dimethylpentane, 5.8%		n-Heptane,0.5% n-hexane, 5.8%		n-Tridecane, 2.3%		6×1ml	48879
	2-Methylbutane, 10.5%		n-Octane, 5.8%		p-Xylene, 14.0%		1×1ml	506435
	2-Methylpentane, 5.8%		n-Pentadecane, 2.3%		n-Tetracosane			
	Toluene, 11.6%		n-Pentane, 8.1%		n-Tetradecane			
	n-Butylbenzene, 3.5%		n-Propylbenzene, 4.7%		n-Tetratetracontane			
	n-Decane, 3.5% n-Dodecane, 3.5%		n-Tetradecane, 2.3%		n-Undecane			
Petrocol D2887 柱测定混标	n-Hexadecane		n-Octadecane				6×1ml	48889
ASTM D2887 定量校准液	n-Decane	n-Dodecane	n-Hexane	n-Hexatriacontane	n-Pentane	n-Tetracontane*	1×1ml	500631
	n-Dotriacontane	n-Eicosane	n-Nonane	n-Octacosane	n-Tetracosane	n-Tetradecane	6×1ml	500658
	n-Heptadecane	n-Heptane	n-Octadecane	n-Octane	n-Tetratetracontane			
	n-Hexadecane		n-Pentadecane		n-Undecane*			

ASTM D5307 化学标样

产品名称					体积	货号	
ASTM D5307 原油国内标准	n-Heptadecane		n-Pentadecane		n-Tetradecane	25ml	48479
	n-Hexadecane						
ASTM D5307 原油定量标准	n-Decane		n-Hexadecane		n-Tetracontane	2ml	48179
	n-Dodecane		n-Hexatriacontane		n-Tetracosane		
	n-Dotriacontane		n-Octacosane		n-Tetradecane		
	n-Eicosane		n-Octadecane		n-Tetratetracontane		
	n-Heptadecane		n-Pentadecane		n-Tridecane		
					n-Undecane		
ASTM D5307 原油定量标准	n-Butane, 15%	n-Heptane, 15%	n-Nonane, 15%		n-Pentane, 15%	1ml	48182
	n-Hexane, 15%		n-Octane, 15%		n-Propane, 10%		

芳香类化合物

ASTM D5580 汽油中的芳香类化合物-混合物和溶液

产品名称	体积	货号
2-Hexanone 2-己酮、纯品	5ml	47733U
D5580 定量校准套装 47740-U、47741-U、47742-U、47743-U、47744-U、47732-U、47731-U	各 1mL	47734U
D5580 定量校准混标 1 1,2,4-Trimethylbenzene, 0.90、2-Hexanone (int. std.), 10.00、Benzene, 0.09、Ethylbenzene, 0.45 Isooctane, 74.16、Toluene, 13.50、o-Xylene, 0.90	1mL	47740U
D5580 定量校准混标 2 1,2,4-Trimethylbenzene, 9.00、2-Hexanone (int. std.), 10.00、Benzene, 0.45、Ethylbenzene, 0.90 Isooctane, 68.40、Toluene, 9.00、o-Xylene, 2.25	1mL	47741U
D5580 定量校准混标 3 1,2,4-Trimethylbenzene, 0.45、2-Hexanone (int. std.), 10.00、Benzene, 0.90、Ethylbenzene, 2.25 Isooctane, 72.90、Toluene, 4.50、o-Xylene, 9.00	1mL	47742U



D5580 定量校准混标 4	1,2,4-Trimethylbenzene, 5.00 Benzene, 2.00	Ethylbenzene, 5.00 Isooctane, 80.50	Toluene, 2.50 o-Xylene, 5.00	9 mL	47738U
D5580 定量校准混标 4	1,2,4-Trimethylbenzene, 4.50、2-Hexanone (int. std.), 10.00、Benzene, 1.80、Ethylbenzene, 4.50 Isooctane, 72.45、Toluene, 2.25、o-Xylene, 4.50			1mL	47743U
D5580 定量校准混标 5	1,2,4-Trimethylbenzene, 2.25、2-Hexanone (int. std.), 10.00、Benzene, 4.50、Ethylbenzene, 9.00 Isooctane, 72.90、Toluene, 0.90、o-Xylene, 0.45			1mL	47744U
D5580 选择性检测标样	Isooctane, 98.5	n-Dodecane, 1.5		1mL	47732U
D5580 阀调速校准混标	2-Hexanone (int. std.), 10.0 Benzene, 4.5	Ethylbenzene, 9.0 Isooctane, 63.0	Toluene, 4.5 o-Xylene, 9.0	1mL	47731U

WSPA RM-1 汽油参比物

ASTM D5769 标样

产品名称		体积	货号
ASTM D5769/EPA 芳香物国内标准混标	Benzene-d ₆ , 40.0、Ethylbenzene-d ₁₀ , 40.0、Naphthalene-d ₈ , 20.	5.0mL	47327

氧化剂

ASTM D5441 标样

产品名称		体积	货号
ASTM D5441 MTBE 污染物混标 A	2,4,4-Trimethyl-1-pentene、2-Methyl-2-butene、2-Methylbutane、甲醇、Pentane、Triisobutylene (混标 ed isomers) cis-2-Pentene、tert-Amyl methyl ether、tert-Butanol、tert-Butyl ethyl ether、trans-2-Pentene	1ml	47942
ASTM D5441 MTBE 污染物混标 B	2,4,4-Trimethyl-1-pentene、2-Methyl-2-butene、2-Methylbutane、甲醇、Pentane、Triisobutylene (混标 ed isomers) cis-2-Pentene、tert-Amyl methyl ether、tert-Butanol、tert-Butyl ethyl ether、trans-2-Pentene	1ml	47943
Methyl tert-butyl ether		1000mg	48027
Methyl tert-butyl ether		1ml	48483
tert-Amyl methyl ether		1ml	506737

ASTM D4815 标样

产品描述	货号
ASTM D4815 定性混标 (1mL, 每个组分的重量百分含量如下示) 1,2-Dimethoxyethane (int. std.), 6.0、Benzene, 5.0、Diisopropyl ether, 4.0、Ethyl tert-butyl ether, 4.0、Isobutanol, 7.3、Isopropanol, 7.3 甲醇, 7.3、Ethanol, 7.3、Methyl tert-butyl ether, 4.0、Methylcyclopentane, 4.0、n-Butanol, 7.3、n-Propanol, 7.3、sec-Butanol, 7.3 tert-Amyl methyl ether, 7.3、tert-Butanol, 7.3、tert-Pentanol, 7.3	47213

ASTM D4815 定量校准套装

Qualitative Peak ID 混标 (47213)、Quantitative Calibration 混标 1 (47205)、Quantitative Calibration 混标 3 (47207)、Quantitative Calibration 混标 2 (47206)、Quantitative Calibration 混标 4 (47208)、Valve Timing 混标 (47212)、Quantitative Calibration 混标 5 (47209)

	Diisopropyl ether, 10.0 Ethyl tert-butyl ether, 10.0	Methyl tert-butyl ether, 10.0 Methylcyclopentane, 10.0	n-Hexane, 60.0	1mL	47212
D4815 定量校准混标 1	DME (int. std.), 5.00 Ethanol, 2.85	Methyl tert-butyl ether, 19.00 isooctane:xylene (65:35), 71.87	tert-Butanol, 0.095 tert-Pentanol, 1.19	1ml	47205
D4815 定量校准混标 2	DME (int. std.), 5.00 Ethanol, 0.095	Methyl tert-butyl ether, 14.25 isooctane:xylene (65:35), 73.06	tert-Butanol, 2.85 tert-Pentanol, 4.75	1ml	47206
D4815 定量校准混标 3	DME (int. std.), 5.00 Ethanol, 5.70	Methyl tert-butyl ether, 9.50 isooctane:xylene (65:35), 71.73	tert-Butanol, 5.70 tert-Pentanol, 2.38	1ml	47207
D4815 定量校准混标 4	DME (int. std.), 5.00 Ethanol, 8.55	Methyl tert-butyl ether, 4.75 isooctane:xylene (65:35), 70.54	tert-Butanol, 7.60 tert-Pentanol, 3.56	1ml	47208
D4815 定量校准混标 5	DME (int. std.), 5.00 Ethanol, 11.40	Methyl tert-butyl ether, 0.095 isooctane:xylene (65:35), 72.01	tert-Butanol, 11.40 tert-Pentanol, 0.095	1ml	47209