

 HENGYI	Hengyi Industries Sdn Bhd 恒逸实业（文莱）有限公司			
	Quality index of purchased gasoline components 外购汽油组分质量指标			
	Record No.	HYBN-T4-06-1001-0001-2024-2		Page 1 of 3
1. Quality index of 92 gasoline R92 汽油进厂指标				
Property 性质	METHOD S	Limits 指标		
	分析方法	建议值	Min 最小值	Max 最大值
Research Octane Number (RON), 研究法辛烷值	ASTM D2699		92	
MON, 马达法辛烷值	ASTM D2700		82	
Lead Content, gPb/l, 铅含量	ASTM D3237			0.005
Manganese , mg/L, 锰含量	ASTM D3831			1
Density @15℃, g/ml, 密度	ASTM D4052	≥0.75	0.725	0.78
Reid Vapour Pressure, psi 蒸汽压	ASTM D5191	≧7.3		8
Distillation, degrees C, 蒸馏程	ASTM D86			
Initial Boiling Point, 初馏点		Report		
10% Evaportaed, 10%蒸发				74
50% Evaportaed, 50%蒸发		> 100	90	120
90% Evaportaed, 90%蒸发				180
Final Boiling Point, 终馏点				210
Residue, %vol, 残留量				2
Loss, %vol, 损耗量				2
% Evaporated at 100oC, vol%, E100 下的蒸发体积			46	
% Evaporated at 150oC, vol%, E150 下的蒸发体积			75	
Existent Gum （Washed), mg/100ml, 溶剂洗胶质含量	ASTM D381			4
Benzene Content, %vol, 苯含量	ASTM D5580			1

Sulphur, mg/kg, 硫含量	ASTM D5453			10
Doctor Test, 博士实验	IP 30		Negative	
Mercaptan Sulphur, 硫醇硫 %wt	ASTM D3227			0.0015
Copper Corrosion (3 hours at 50 deg C)	ASTM D130			1
Oxidation Stability (Induction Period), minutes	ASTM D525		360	
Ethers(If ether is added, the specific ether type and corresponding content shall be indicated) 醚类 (如添加醚类, 需标明具体醚类种类及相应含量), %vol	ASTM D4815			5
MTBE 甲基叔丁基醚, %vol	ASTM D4815	Report		
TAME 甲基叔戊基醚, %vol	ASTM D4815	Report		
Oxygenates content (addition of other oxygenates is prohibited except ethers), %vol, 氧含量 (禁止添加除醚类以外的其它含氧化合物)	ASTM D4815			1
Alcohol (Including any Alcohol such as methanol and ethanol), 醇含量 (包含甲醇、乙醇等任何醇类)	/		No Additions	
Aromatics, %vol, 芳烃含量	ASTM D6839			30
Olefins, %vol, 烯烃含量	ASTM D6839			20
Ordour, 气味			Marketable	
Colour, 颜色	Visual		Undyed, Colorless to Light Yellow	
	目测			
Appearance, 外观	Visual		clear	
	目测			
Metallic Additives, 金属添加剂			No additions	
Water Content, %vol, 水含量	ASTM D6304			0.1

2. Quality index of 95 gasoline R95 汽油进厂指标

Property 性质	Limits 指标		分析方法
	Min	Max	METHODS
Research Octane Number (RON), 研究法辛烷值	95		ASTM D2699
MON, 马达法辛烷值	85		ASTM D2700
Lead Content, gPb/l, 铅含量		0.005	ASTM D3237
Density @15℃, g/ml, 密度	0.725	0.76	ASTM D4052
Reid Vapour Pressure, psi 蒸汽压		8	ASTM D5191
Distillation, degrees C, 蒸馏程			ASTM D86
Initial Boiling Point, 初馏点	Report		
10% Evaporated, 10%蒸发		74	
50% Evaporated, 50%蒸发	90	120	
90% Evaporated, 90%蒸发		180	
Final Boiling Point, 终馏点		210	
Residue, %vol, 残留量		2	
Loss, %vol, 损耗量		2	
% Evaporated at 100℃, vol%, E100 下的蒸发体积	46		
% Evaporated at 150℃, vol%, E150 下的蒸发体积	75		
Existent Gum (Washed) , mg/100ml, 溶剂洗胶质含量		4	ASTM D381
Benzene Content, %vol, 苯含量		1	ASTM D5580
Sulphur, mg/kg, 硫含量		10	ASTM D5453
Doctor Test, 博士实验	Negative		IP 30
Mercaptan Sulphur, %wt		0.0015	ASTM D3227
Copper Corrosion (3 hours at 50 deg C)		1	ASTM D130
Oxidation Stability (Induction Period) , minutes	360		ASTM D525
Oxygenates content, %vol, 有机含 氧化合物含量		8	ASTM D4815
Alcohol, 酒精含量	No additions		
Ethanol, 乙醇含量	No additions		
Aromatics, %vol, 芳烃含量		30	ASTM D6839
Olefins, %vol, 烯烃含量		20	ASTM D6839

Ordour, 气味	Marketable		
Colour, 颜色	Undyed, Colorless to Light Yellow		Visual 目测
Appearance, 外观	clear		Visual 目测
Metallic Additives	None Added		
Water Content, %vol, 水含量		0.1	ASTM D6304

3. Quality index of MTBE MTBE 进厂指标

Property 性质	Unit 单位	LIMITS 质量指标	Method 试验方法
Density at 15°C 密度(15°C)	kg/L	report	ASTM D4052
MTBE 甲基叔丁基醚	% (m/m)	98min	ASTM D5441
C4 Hydrocarbons C4 碳氢化合物	% (m/m)	0.5max	ASTM D5441
C5 Hydrocarbons C5 碳氢化合物	% (m/m)	1.0max	ASTM D5441
Methanol 甲醇	% (m/m)	0.7max	ASTM D5441
Tertiary Butyl Alcohol 叔丁醇	% (m/m)	0.60max	ASTM D5441
Di-isobutylene and Codimers 二异丁烯和辅二聚体	% (m/m)	0.60max	ASTM D5441
Water 水	wt ppm	500max	ASTM D6304
Sulfur Content 硫含量	wt ppm	10max	ASTM D5453
Copper Corrosion, 3Hr at 50°C 铜片 腐蚀(50C,3H)	-	1a	ASTM D130
Vapour pressure 蒸气压	Kpa	62max	ASTM D5191
Mechanical impurities 机械杂质		none	Visual 目测
Apparence 外观		无色透明	Visual 目测
Colloid 胶质（未洗）	mg/100ml	5max	ASTM D381
Schedule and dispatching Dept. Approval 计划调度部审核	Date:		

Cosigner Dept. 部门会签	Date:
Company Management Approval 公司主管领导批准	Date: