

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Div. 26, Part 5, Chap. 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515-39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

MODI	T GRO	JP		VEHICLE TYPE  (PC=passenger car; LDT=light-di truck; MDV=medium-duty vehic  LVW=loaded vehicle weight;  ALVW=adjusted LVW)	le:	STANDA (LEV¤low em transitional L	ST EMISSION RD CATEGORY Ission vehicle; TLEV= EV; ULEV=ultra LEV; /=super ULEV}	EXHAUST & ORVR / EVAPORATIVE USEFUL LIFE (UL) (miles)	FUEL TYPE (CNG/LNG=compressed/ liquefled natural gas; LPG=liquefled petroleum gas)					
200		9HYXV02.4SPC				Passenger Car		V II SULEV	150K / 150K	Gasoline (Tier 2 Unleaded)				
No.		APORATIVE MILY (EVAF)			No.	SPECIAL FEAT EMISSION CONTROL	URES SYSTE	& MS (ECS)	* = not applicabl	MAKO- MAININD CAL UZSII	102S=oxygen sensor/heated 02S			
1	9HY2	9HYXR0139PPN			1	WU-TWC, T	WC, H	D2S(2), SFI, O	AFS/HAFS=air-fuel ratio :	sensor/heated AFS EGR=exhaust				
2		*			2	· · · · · · · · · · · · · · · · · · ·		•	AIR MFI/SFI= multiport f	AIR MFI/SFi= multiport fuel injection/sequential MFi TBI= throttle body injection TC/SC=turbo /super charger				
3		•			3			*	CAC≖charge air cooler ( diagnostic prefix 2=para	OBD (F) / (P)=full /partial on-board				
EVAF No.		ECS ENGINE VEHICLE No. SIZE (L) MAKES & MODELS				ECT TO SFTP	ABBREVIATIONS:							
1		1 2,4			Hyundal Sonata									
•			<u> </u>				-		*					

The exhaust and evaporative emission standards (STD) and certification emission levels (CERT) for the listed vehicles are as follows (compliance with the 50 °F testing requirement (for TLEV, LEV, ULEV, SULEV) may have been met based on the manufacturer's submitted compliance plan in lieu of testing). Any debit in the manufacturer's "NMOG Fleet Average" (PC and LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required.

NMOG FLEET AVERAGE [g/mi]			NMOG @ CH4 R		NMOG or	INKIOGEA	MUMUSTO	maidenvoe	PM≝nar	ticulata m	aHer DA	E=roactbri	tar a dili se tan.	arbon mono ent factor	3/3 D I - 41	1-0/9 4	
CER	t s	TD	NMOG	NMHC	NMHC	diurnai+ho mg=millig	N-205K K	r [8ևավ]≘տւ	nning loss 000 miles		/gallon di: grees Fahr	spensed]=	on-board r	efueling vap piemental fer	or recovery	g≖gram	
0.02	0.027 0.038		CERT [g/mi]	CERT	[g/mi]	CO [g/ml]			x [g/mi]			/mi]	PM [	g/mi]	Hwy NC		
DE 27-164		D. FOL		191	<del> </del>	CERT	STD	CERT	STI	STD CE		STD	CERT	STD	CERT	STD	
	@ 50K				*		•	•	* *		* *		*	•	*	*	
		@ UL	0,004	*	0.010	0,3	1.0	0.01	0.0	2	•	4	*	0.01	0.01	0.03	
	@ 50°F	& 4K	*	•	•	•	*	*	1		•	*	*	*	*	•	
@ 20	@ 20°F & LEV) or 50K (Tier 1, TLEV)				(compo	MHC+NOx [g/mi] CO [g/ (composite) (compo			NMHC+NOx [g/ml] [US06]					HC+NOx ni] [SC03]		[g/ml] 203]	
50		SFIFZ	E 60 OF (119)	1, TLEV)	CERT	STD	CERT	STD	CERT	STD	CERT	STD	CER	T STD	CERT	STD	
CERT	2.1			SFTP 1		*	*	*	0.02	0.14	0.9	8.0	0.00	0.20	0.7	2.7	
STD	10.0			SFTP 2		+	4	*		-	*	*		1	**	*	
@ UL		APORA	TIVE FAM	ILY 1	EVAPORATIVE FAMILY 2				EVA	EVAPORATIVE FAMILY 3				EVAPORATIVE FAMILY 4			
	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR		2-D	RL	ORVR	
CERT	0.24	0.25	0.02	0.00	•	*	•	•	*	•	•	*	•	+	•	•	
STD	0.35	0.35	0.05	0.20	*	•	•	*	*	*	•	<del>  •</del>	+	*	-		

BE IT FURTHER RESOLVED: That for the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model PC, LDT and MDV).

**BE IT FURTHER RESOLVED:** That the listed vehicle models are granted a baseline partial zero emission vehicle (PZEV) allowance of 0.2 under 13 CCR Section 1962(c).

BE IT FURTHER RESOLVED: The test group listed in this Executive Order is certified based on the manufacturer's reported emissions and attestation that it meets all applicable certification requirements currently in effect and enforceable for the 2009 model year, as described above. A January 16, 2007 Order currently enjoins the Executive Officer from enforcing any provision of California Health and Safety Code section 43018.5(b)(1) concerning certification to the requirements for 2009 and subsequent model passenger cars, light-duty trucks, and medium-duty vehicles adopted pursuant to AB 1493. (Document 606, Case No. 1:04-CV-06663-AWI-GSA, U.S. Dist. Ct. E. Dist. of CA (Fresno Div.).) If said injunction ceases to be in effect, the manufacturer will have 45 days from ARB notification to demonstrate compliance with AB 1493 requirements, including the determination of the greenhouse gas values for the test group listed in this Executive Order. Nothing in this Executive Order is intended to constitute enforcement of any requirement under AB 1493 for 2009 model year vehicles.

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Annette Hebert, Chief

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Mobile Source Operations Division