

Associated with:

Nenelab Microbiological services Ltd. Northampton General Hospital NHS Trust  
Science. Food Microbiology.

Dept. of Applied Biochemistry & Food

NORTHAMPTON  
GENERAL HOSPITAL NHS TRUST



M.S.L Laboratories Ltd. NAMAS Accredited.

**Test:** Bi-Tron Gas Cond V's Wynns Injector Cleaner & Cond **Date:** 30/05/2000

**Test Location:** Cork Truck Services Ltd., Tramore Road, Cork, Ireland

**Test Vehicle:** 1993 Nissan Primera 1.6 Petrol. **Mileage:** 88,000

**Test Procedure:** Department Of The Environment – Petrol Vehicle Emission Test. Exhaust gases at idle are analysed on a D.o.E. calibrated Carbon Monoxide (CO) & Hydrocarbon (HC) analyser. The engine is revved to 2500 revs. for twenty seconds. A reading is then taken at idle over twenty seconds and a mean figure is computed. Maximum Permissible Levels are:

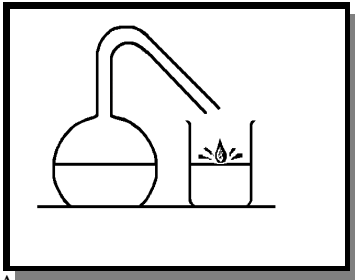
	<u>CO (%)</u>	<u>HC (ppm)</u>
For pre '94 cars:	3.5%	750ppm
From 01/01/94:	0.5%	200ppm

**Note:** Catalytic Convertor equipped cars must pass the lower standard.

**Test Samples:** Tests were taken approximately 3 – 4 minutes after additive application.

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. Wynns Injector Cleaner &amp; Conditioner</li> <li>3. New Formula Gas Conditioner</li> </ol> | <ol style="list-style-type: none"> <li>2. Standard Pump Petrol</li> </ol> |
|---|---|

**Test Result:** The graph shows the Carbon Monoxide, Carbon Dioxide & Hydrocarbon Emission values emitted before and after application of the additives. The graphs and result table show how the new Gasoline Conditioner has dramatically reduced the emission levels, and comprehensively out-performed one of its leading European competitors.



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**Results Table:**

Test Sample	Carbon Monoxide %	Carbon Dioxide %	Hydrocarbon Emissions ppm
Wynns Injector Cleaner & Conditioner	1.99	18.09	435
Standard Pump Petrol	0.07	19.82	195
BiTron Gas Conditioner	0.01	1.8	50

**Result Graphs:**

