

APPLICATION NOTE

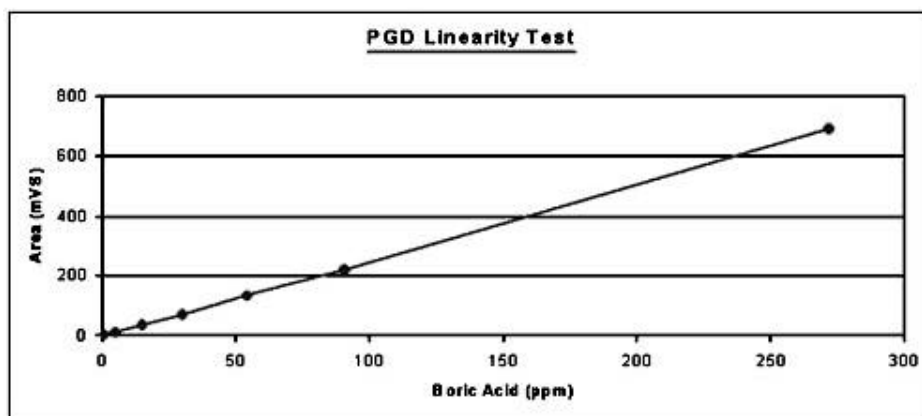
Application Note : 001

Title of application :

Linearity of potential gradient detector (PGD)

Area of application :

N.A.



Conditions :

Buffer	CE-AN001 Kit
Sample	Boric acid at various concentration level
Capillary Specifications	50µm ID, 35cm length
Injection mode	Hydrodynamic injection for 30 seconds at a height of 10 cm
Separation	-7.5kV
Instrument	CE-P1

Description :

The potential gradient detector (PGD) has shown good linear response to the concentrations of analytes. Take boric acid as an example, the linear range extends to as high as three magnitude orders, from 0.1 ppm to 500 ppm (see graph above).