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## AWWA C909 CIOD Gasketed Integral Bell PVC Pressure Pipe Certification

To Whom It May Concern:

**AWWA C909 CIOD Gasketed Integral Bell PVC Pressure Pipe** in sizes 6" – 12", Pressure Class 235, provided by NAPCO Royal Pipe & Fittings, is manufactured in accordance with **AWWA C909-16** and certified to **CSA B137.3.1, NSF 14, FM 1612 (PC 185), and UL 1285** (except 10"). The PVC material meets a minimum cell classification of 12454 as defined by **ASTM D1784** and meets a Hydrostatic Design Basis (HDB) of 4,000 psi. The finished pipe meets an HDB of 7,100 psi.

The gasketed bell ends of this product meet the requirements of **ASTM D3139**, including Clause 6.2 (fully thickened bells). As part of the third-party certification to CSA B137.3.1 and NSF 14, the requirement for Clause 6.2 of D3139 is third party certified. All products are supplied with EPDM gaskets. Gasket material meets the requirements of **CSA B137.3.1** and **ASTM F477**

### Potable Water Applications

Pipe manufactured for potable applications is blue in color and is certified to **NSF 61** and **BNQ 3660-950**. The gasket material is listed to **NSF 61**.

The certifications are based on the applicable edition of the referenced standard in effect on the date of manufacture. If we may be of further assistance, please contact Technical Services at [technical@napcopipe.com](mailto:technical@napcopipe.com).

Sincerely,

**NAPCO Pipe & Fittings**



**Reference Standards:**

- **ASTM D1784:** *Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds*
- **ASTM D3139:** *Standard Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals*
- **ASTM F477:** *Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe*
- **AWWA C909-16:** *Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe, 4 In. (100mm) and Larger*
- **BNQ 3660-950:** *Safety of Products and Materials in Contact with Drinking Water*
- **CSA B137.3.1:** *Molecularly Oriented Polyvinylchloride (PVCO) Pipe for Pressure Applications*
- **FM 1612:** *Approval Standard for Polyvinyl Chloride (PVC) Pipe and Fittings for Underground Fire Protection Service*
- **NSF 61:** *Drinking Water Components-Health Affects*
- **NSF 14:** *Plastics Piping System Components and Related Materials*
- **UL 1285:** *Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Service*