



सीएसआईआर - के ० एच ० ई ० अ ० सं ० परीक्षण प्रकोष्ठ

CSIR - CIMFR TESTING CELL

TEST CERTIFICATE / परीक्षण प्रमाण पत्र



ORIGINAL COPY

 FORMAT NO.: (CIMFR-DM: FLP02: F-01:REV-01)
 (Flame & Explosion Laboratory)

ID NO.: 51/16

CODE NO. FLP/201/15-16

Result #B: Tests in explosive mixtures: Tests for type of protection Ex 'd' as per IS/IEC 60079-1:2007.

Type Tests			
Clause No.	Description and relevant tests	Remarks	Results (Complies, P- Pass, NA-Not Applicable, F- Fail) References
1	Scope		Complies
2	Normative references		Complies
3	Terms and definitions		Complies
4	Equipment grouping and temperature classification	Gr. IIB & T-class Ref. test report no.: CIMFR/TC/P/H365, Dated: 10/08/2009	Complies (Result#A1)
5	Flameproof joints	Threaded Joint	Complies
6	Cemented joints	Epoxy resin compound COT: - 20°C to 150°C	Complies
7	Operating rods		NA
8	Supplementary requirements for shaft and bearings		NA
9	Light transmitting parts		NA
10	Breathing and draining devices which form part of a flameproof enclosure		NA
11	Fasteners, associated holes and blanking elements		Complies
12	Materials and mechanical strength of enclosures- materials inside the enclosures		Complies
13	Entries for flameproof enclosures		Complies
14	Verification and tests		Complies
15.1	Tests of ability of the enclosure to withstand pressure		
15.1.2	Determination of Explosion pressure (Reference Pressure)		P/As per Result #B1
15.1.3	Over Pressure Test		P/As per Result #B2
15.2	Test for non-transmission of Internal ignition		
15.2.1.1	Test for non-transmission of an Internal ignition		P/As per Result #B3
15.3	Reserved for future use		
15.4	Flame proof enclosures with breathing & draining devices		NA
16	Routine tests	To be conducted by the manufacturer as per	Result #B2
17	Switchgear for Group I		NA
18	Lamp holders and lamp caps		NA
19.3	Supplementary requirements for type tests		
19.3.1.3	Flame erosion test		NA (No Plastic part)
19.3.2	Flammability		NA (No Plastic part)
20	Marking	The warning inscription shall read as "ISOLATE SUPPLY BEFORE OPENING".	