

Scope of Accreditation for Testing

Certificate No. 19T093/0870

Laboratory name CC Transformer Co., Ltd.
 Address 31/1 Moo 15, Soi Ramapattana, Kingkaew 45 Road, Racha Thewa, Bang Phli,
 Samut Prakan
 Accreditation No. TESTING 0574
 Laboratory Status Permanent Site Temporary Mobile

| Field of Testing | Specific test | Test method |
|--|--|--|
| Electrical field Power transformers: Oil-Immersed type transformers at highest voltage for equipment not more than 36 kV - 50 kVA up to 3 000 kVA for three - phase transformers - 1 kVA up to 100 kVA for single - phase transformers | - Measurement of voltage ratio and check of phase displacement - Measurement of winding resistance - Measurement of no-load loss and current - Measurement of short-circuit impedance and load loss - DC Insulation resistance test - Induced voltage withstand test (IVW) - Applied voltage test (AV) - Temperature rise test | - TIS 384-2543 (2000) - IEC 60076-1 Edition 3.0 2011-04 - IEEE C57.12.90-2015 - IEC 60076-1 Edition 3.0 2011-04 - TIS 384-2543 (2000) - IEC 60076-3 Edition 3.0 2013-07 - TIS 384-2543 (2000) - IEC 60076-2 Edition 3.0 2011-02 |

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(Signature)

(Mr.Verakit Rantakittanawat)

Deputy Secretary - General

For Secretary - General

Thai Industrial Standards Institute