| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |

| | | | |
|---|---|---|---|
| **18** | **PROTECTIVE EARTHING, FUNCTIONAL EARTHING AND POTENTIAL EQUALIZATION** | | N/A |
| 18 a | Accessible parts of Class I equipment separated from live parts by basic insulation connected to the protective earth terminal | | N/A |
| 18 b | Protective earth terminals suitable for connection to the protective earth conductor | | N/A |
| 18 e | Potential equalization conductor | | N/A |
| | - Readily accessible | | N/A |
| | - Accidental disconnection prevented in normal use | | N/A |
| | - Conductor detachable without the use of a tool | | N/A |
| | - Power supply cord does not incorporate a potential equalization conductor | | N/A |
| | - Connection means marked with Symbol 9, Table DI | | N/A |
| 18 f | For equipment without power supply cord, impedance between protective earth terminal and accessible metal part $\leq 0.1\ \Omega$ | | N/A |
| | - For equipment with an appliance inlet, impedance between protective earth contact and any accessible metal part $\leq 0.1\ \Omega$ | | N/A |
| | - For equipment with a non-detachable power supply cord, impedance between protective earth pin in mains plug and accessible metal part $\leq 0.2\ \Omega$ | | N/A |
| 18 g | If the impedance of protective earth connections other than in Cl. 18 f) exceeds 0.1 Ω, the allowable value of the enclosure leakage current is not exceeded in single fault condition | | N/A |
| 18 k | Functional earth terminal not used to provide protective earthing | | N/A |
| 18 l | Class II equipment with isolated internal screens | | N/A |
| | - insulation of screens and all internal wiring connected to them is double insulation or reinforced insulation | | N/A |
| | - functional earth terminal clearly marked | | N/A |
| | - explanation of functional earth terminal provided in the accompanying documents | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| **19** | **CONTINUOUS LEAKAGE CURRENTS AND PATIENT AUXILIARY CURRENTS** | | Pass |
| 19.1 b | Leakage currents | (see appended table 19) | Pass |
| | - earth leakage current | | N/A |
| | - enclosure leakage current | | N/A |
| | - patient leakage current | | Pass |
| | - patient auxiliary current | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| **20** | **DIELECTRIC STRENGTH** | | Pass |
| | Overall compliance with Clause 20 | (see appended table 20) | Pass |

| | | | |
|---|---|---|---|
| **21** | **MECHANICAL STRENGTH** | | Pass |
| 21 a | Sufficient rigidity of an enclosure tested by: force of 45 N | (See appended table) | Pass |
| 21 b | Sufficient strength of an enclosure tested by: impact hammer | (See appended table) | Pass |
| 21 c | On portable equipment carrying handles or grips withstand the requirements of the loading test | | N/A |
| 21.3 | No damage to parts of patient support and/or immobilization system after the loading test | | N/A |
| 21.5 | Hand held equipment or equipment parts are safe after drop test | (see appended table 21) | Pass |
| 21.6 | Portable and mobile equipment is able to withstand rough handling | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| **22** | **MOVING PARTS** | | N/A |
| 22.2 a | Moving parts of a transportable equipment are provided with guards which form an integral part of the equipment | | N/A |
| 22.2 b | Moving parts of a stationary equipment are provided with similar guards as above, unless it is evident that equivalent protection is separately provided during installation | | N/A |
| 22.3 | Cords (ropes), chains and bands are provided with guides to prevent them from running off or from jumping out of their guiding devices | | N/A |
| | Guides or other safeguards are removable only with a tool | | N/A |
| 22.4 | Dangerous movements of equipment parts, which may cause physical injury to the patient, are possible only by the continuous activation by the operator | | N/A |
| 22.6 | Parts of equipment subject to mechanical wear are accessible for inspection | | N/A |
| 22.7 | Means provided for emergency switching of an electrically produced mechanical movement which could cause a safety hazard | | N/A |
| | The means for emergency switching is readily identifiable and accessible and does not introduce a further safety hazard | | N/A |
| | Devices for emergency stopping able to break the full load current of the relevant circuit, taking into account possible stalled motor currents | | N/A |
| | Means for stopping of movements operate as a result of one single action | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |

| | | | |
|---|---|---|---|
| **23** | **SURFACES, CORNERS AND EDGES** | | Pass |
| | Rough surfaces, sharp corners and edges which may cause injury or damage avoided or covered | Avoided | Pass |

| | | | |
|---|---|---|---|
| **24** | **STABILITY IN NORMAL USE** (see appended table 24) | | N/A |
| 24.1 | Equipment does not overbalance during normal use when tilted through an angle of 10° | | N/A |
| 24.3 | Equipment overbalances when tilted through an angle of 10° | | N/A |
| | - does not overbalance when tilted through an angle of 5° in any position excluding transport | | N/A |
| | - carry a warning notice stating that transport should only be undertaken in a certain position | | N/A |
| | - in the position specified for transport does not overbalance when tilted to an angle of 10° | | N/A |
| 24.6 a | Equipment or its parts with a mass of more than 20 kg is provided with: | | N/A |
| | - suitable handling devices (grips etc.), or | | N/A |
| | - instructions for lifting and handling during assembly | | N/A |
| 24.6 b | On portable equipment with a mass of more than 20 kg carrying handle(s) is (are) so situated that equipment may be carried by 2 or more persons | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| **25** | **EXPELLED PARTS** | | N/A |
| 25.1 | Protective means are provided where expelled parts of the equipment could be a hazard | | N/A |
| 25.2 | Display vacuum tubes with a face dimension exceeding 16 cm are provided with adequate protection against implosion | | N/A |
| **28** | **SUSPENDED MASSES** | | N/A |
| 28.3 | Suspension system with safety device | | N/A |
| | Safety device provided where the integrity of a suspension depends on parts which may have hidden defects, or on parts having safety factors not complying with Sub-clause 28.4 | | N/A |
| | Safety device has safety factors complying with Sub-clause 28.4.2 | | N/A |
| | Clear indication to the operator that the safety device has been activated after failure of suspension means | | N/A |
| 28.4 | Suspension systems of metal without safety devices | | N/A |
| | 1) Total load does not exceed the safe working load | | N/A |
| | 2) Safety factors not less than 4 where it is unlikely that supporting characteristics will be impaired | | N/A |
| | 3) Safety factors not less than 8 where impairment is expected | | N/A |
| | 4) Safety factors multiplied by 1.5 for metal having an elongation at break of less than 5% | | N/A |
| | 5) Sheaves, sprockets, band wheels and guides so constructed that the safety factors maintained till replacement | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| **29** | **X-RADIATION** | | N/A |
| 29.2 | EQUIPMENT not intended to produce X-radiation produces an exposure ≤ 130 nC/kg (0.5 mR) | | N/A |
| **36** | **ELECTROMAGNETIC COMPATIBILITY** | | N/A |
| | Equipment complies with IEC 601-1-2 | Not evaluated by UL International Demko | N/A |
| **37** | **COMMON REQUIREMENTS FOR CATEGORY AP AND CATEGORY APG EQUIPMENT** | | N/A |
| | Requirements for category AP and APG equipment (Cl. 37 - 41) | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| **42** | **EXCESSIVE TEMPERATURES** | | Pass |
| 42.1 | Equipment does not attain temperatures exceeding the values given in Table Xa over the range of ambient temperatures per Clause 10.2.1 | (see appended table 42) | Pass |
| 42.2 | Equipment does not attain temperatures exceeding the values given in Table Xb at 25°C ambient | | Pass |
| 42.3 | Applied parts not intended to supply heat have surface temperatures not exceeding 41°C | | Pass |
| 42.5 | Guards to prevent contact with hot surfaces removable only with a tool | No hot surfaces | N/A |
| **43** | **FIRE PREVENTION** | | Pass |
| | Strength and rigidity necessary to avoid a fire hazard | | Pass |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |

| | | | |
|---|---|---|---|
| **44** | **OVERFLOW, SPILLAGE, LEAKAGE, HUMIDITY, INGRESS OF LIQUIDS, CLEANING, STERILIZATION AND DISINFECTION** | | Pass |
| 44.2 | Equipment contain a liquid reservoir: | | N/A |
| | - the equipment is electrically safe after 15% overfill steadily over a period of 1 min | | N/A |
| | - transportable equipment is electrically safe after additionally having been tilted through an angle of 15° in the least favorable direction(s) (if necessary with refilling) | | N/A |
| 44.3 | Electrical properties of the equipment do not change in connection of spillage test (200 ml of water) | | N/A |
| 44.4 | Liquid which might escape in a single fault condition does not wet parts which may cause a safety hazard | | N/A |
| 44.5 | Equipment sufficiently protected against the effects of humidity | (see appended table 44) | Pass |
| 44.6 | Enclosures designed to give a protection against harmful ingress of water classified according to IEC Publication 529 | | N/A |
| 44.7 | Equipment capable of withstanding cleaning, sterilization or disinfection without deterioration of safety provisions | (see appended table 44) | Pass |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| **45** | **PRESSURE VESSELS AND PARTS SUBJECT TO PRESSURE** | | N/A |
| 45.2 | Pressure vessel with pressure volume greater than 200 kPa x l and pressure greater than 50 kPa withstand the hydraulic test pressure | | N/A |
| 45.3 | Maximum pressure does not exceed the maximum permissible working pressure for individual parts | | N/A |
| 45.7 | Unless excessive pressure can not occur, pressure-relief device provided | | N/A |
| 45.7 a | a) Pressure-relief device connected as close as possible to the pressure vessel | | N/A |
| 45.7 b | b) Readily accessible for inspection | | N/A |
| 45.7 c | c) Not capable of being adjusted or rendered inoperative without a tool | | N/A |
| 45.7 d | d) Discharge opening located that the released material is not directed towards person | | N/A |
| 45.7 e | e) Discharge opening located that operation will not deposit material which may cause a safety hazard | | N/A |
| 45.7 f | f) Adequate discharge capacity to ensure pressure does not exceed the maximum permissible working pressure | | N/A |
| 45.7 g | g) No shut-off valve between a pressure-relief device and the parts intended to be protected | | N/A |
| 45.7 h | h) Minimum number of cycles of operation: 100.000 | | N/A |

| | | | |
|---|---|---|---|
| **48** | **BIOCOMPATIBILITY** | | N/A |
| | Parts of equipment and accessories intended to come into contact with biological tissues, cells or body fluids are evaluated in accordance with ISO 10993-1 | Not evaluated by UL International Demko | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |

| | | | |
|---|---|---|---|
| **49** | **INTERRUPTION OF THE POWER SUPPLY** | | Pass |
| 49.1 | Thermal cut-outs and over-current releases with automatic resetting not used if they may cause a safety hazard | | N/A |
| 49.2 | Interruption and restoration of power supply does not result in a safety hazard other than interruption of intended function | When NOAH LINK is interrupted the programmer stop, once energized again new data has to be entered.<br>When Charger is disconnected the charger stop the charging/discharging function. When reconnected charger start charge/discharge depending on the battery charged/empty condition | Pass |
| 49.3 | Means are provided for removal of mechanical constraints on patient in case of a supply mains failure | | N/A |

| | | | |
|---|---|---|---|
| **51** | **PROTECTION AGAINST HAZARDOUS OUTPUT** | | N/A |
| 51.4 | Equipment furnishing both low-intensity and high-intensity outputs provided with means minimizing possibility of a high intensity output being selected accidentally | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |

| 52 | **ABNORMAL OPERATION AND FAULT CONDITIONS** | | Pass |
|---|---|---|---|
| 52.1 | Equipment is so designed and manufactured that even in single fault condition no safety hazard as described under 52.4 exists (see 3.1 and Cl. 13) | Available power is less than 15W. Equipment intended to be charged by Power supply with available power output less than 15W | Pass |
| | The safety of equipment incorporating programmable electronic systems is checked by applying IEC 601-1-4 | Not evaluated by UL International Demko | N/A |
| 52.5.2 | Failure of thermostats presents no safety hazards | | N/A |
| 52.5.3 | Short-circuiting of either part of double insulation presents no safety hazard | | N/A |
| 52.5.5 | Impairment of cooling:<br>temperatures not exceeding 1.7 times the values of Clause 42 minus 17.5°C | No openings in the enclosure | N/A |
| 52.5.6 | Locking of moving parts presents no safety hazard | No moving parts | N/A |
| 52.5.7 | Interruption and short-circuiting of motor capacitors presents no safety hazard | | N/A |
| 52.5.8 | Duration of motors locked rotor test in compliance with Cl. 52.5.8 | | N/A |
| 52.5.9 | Failure of one component at a time presents no safety hazard | Available power is less than 15 watt, No component single fault conducted | N/A |
| 52.5.10 | Overload of heating elements presents no safety hazard | | N/A |
| 52.5.10 f | Motors intended to be remotely controlled, automatically controlled, or liable to be operated continuously provided with running overload protection | | N/A |
| 52.5.10 h | Equipment with three-phase motors can safely operate with one phase disconnected | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |

| | | | |
|---|---|---|---|
| **56** | **COMPONENTS AND GENERAL ASSEMBLY** | | Pass |
| | List of critical components | (see appended table 56) | Pass |
| 56.1 b | Ratings of components not in conflict with the conditions of use in equipment | | Pass |
| | Ratings of mains components are identified | No mains components | N/A |
| 56.1 d | Components, movements of which could result in a safety hazard mounted securely | Components soldered to PWB | Pass |
| 56.1 f | Conductors and connectors secured and/or insulated to prevent accidental detachment resulting in a safety hazard | | Pass |
| 56.3 a | Connectors provide separation required by Sub-clause 17g | | Pass |
| | Plugs for connection of patient circuit leads can not be connected to other outlets on the same equipment | | Pass |
| | Medical gas connections not interchangeable | | N/A |
| 56.3 b | Accessible metal parts can not become live when detachable interconnection cord between different parts of equipment is loosened or broken | | N/A |
| 56.3 c | Leads with conductive connection to a patient are constructed such that no conductive connection remote from the patient can contact earth or hazardous voltages. | | N/A |
| 56.4 | Connections of capacitors | | N/A |
| | Not connected between live parts and non-protectively earthed accessible parts | | N/A |
| | If connected between mains part and protectively earthed metal parts comply with:<br>IEC Publication 384-14 | | N/A |
| | Enclosure of capacitors connected to mains part and providing only basic insulation, is not secured to non-protectively earthed metal parts | | N/A |
| | Capacitors or other spark-suppression devices are not connected between contacts of thermal cut-outs | | N/A |
| 56.5 | Protective devices which cause disconnection from the supply mains by producing a short-circuit not provided in equipment | | N/A |
| 56.6 | Temperature and overload control devices | | N/A |
| 56.6 a | Thermal cut-outs which have to be reset by a soldering not fitted in equipment | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| | Thermal safety devices provided where necessary to prevent operating temperatures exceeding the limits | | N/A |
| | Independent non-self-resetting thermal cut-out provided where a failure of a thermostat could constitute a safety hazard | | N/A |
| | Audible warning provided where the loss of function caused by operation of a thermal cut-out presents a safety hazard | | N/A |
| | Self-resetting thermal cut-outs and self-resetting over-current releases operated 200 times | | N/A |
| | Non-self resetting over-current releases operated 10 times | | N/A |
| 56.6 b | Thermostats with varying temperature settings clearly indicated | | N/A |
| | Operating temperature of thermal cut-outs indicated | | N/A |
| 56.7 | Batteries | | Pass |
| 56.7 a | Battery compartments: | | Pass |
| | - adequately ventilated | Ni-MH battery or Alkaline battery do not produce gases | N/A |
| | - accidentally short-circuiting is prevented | Mechanical construction of battery, prevent this. See also additional tests | Pass |
| 56.7 b | Incorrect polarity of connection prevented | | Pass |
| 56.8 | Indicators - unless indication provided by other means (from the normal operation position), indicator lights are used (color see 6.7): | | Pass |
| | - to indicate that equipment is energized | Flashing green LED on NOAH LINK | Pass |
| | - to indicate the operation of non-luminous heaters if a safety hazard could result | | N/A |
| | - to indicate when output exists if a safety hazard could result | | N/A |
| | - charging mode indicator provided | Charger provided with Green LED to indicate charging state and Red LED to indicate Discharging state | Pass |
| 56.10 | Actuating parts of controls | | N/A |
| 56.10 b | Actuating parts are adequately secured to prevent them from working loose during normal use | No actuating parts | N/A |
| | Controls are secured to prevent the movement relative to scale marking (safety related only) | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| | Detachable indicating devices are prevented from incorrect connection without the use of tool | | N/A |
| 56.10 c | Stops are provided on rotating controls: | | N/A |
| | - to prevent an unexpected change from maximum to minimum or vice versa where this could produce a safety hazard | | N/A |
| | - to prevent damage to wiring | | N/A |
| 56.11 | Cord-connected hand-held and foot-operated control devices | | N/A |
| 56.11 a | Contain voltages not exceeding 25 V a.c. or 60 V d.c. and isolated from the mains part by Cl. 17g | | N/A |
| 56.11 b | Hand-held control devices comply with the requirement and test of Sub-clause 21.5 | | N/A |
| | - Foot-operated control devices designed to support the weight of an adult human being | | N/A |
| 56.11 c | Devices not change their setting when inadvertently placed | | N/A |
| 56.11 d | Foot-operated control devices are at least IPX 1 | | N/A |
| | - For surgical use, electrical switching parts are IPX 8 | | N/A |
| 56.11 e | Adequate strain relief at the cord entry provided | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| **57** | **MAINS PARTS, COMPONENTS AND LAYOUT** | | N/A |
| 57.1 | Isolation from supply mains | | N/A |
| 57.1 a | Equipment provides means to isolate its circuits electrically from the supply mains on all poles simultaneously | | N/A |
| | Means for isolation incorporated in equipment or, if external, specified in the accompanying documents | | N/A |
| 57.1 d | Switches used to comply with Sub-clause 57.1a comply with the creepage distances and air clearances as specified in IEC Publication 328 | No switch provided | N/A |
| 57.1 f | Mains switches not incorporated in a power supply cord | | N/A |
| 57.1 h | Appliance couplers and flexible cords with mains plugs provide compliance with Sub-clause 57.1a | | N/A |
| 57.1 m | Fuses and semiconductor devices not used as isolating devices | | N/A |
| 57.2 | Mains connectors and appliance inlets | | N/A |
| 57.2 e | Auxiliary mains socket-outlets on non-permanently installed equipment of a type that cannot accept a mains plug | | N/A |
| 57.2 g | Unless functional earth needs to be provided, Class I appliance inlet is not used in Class II equipment | | N/A |
| 57.3 | Power supply cords | | N/A |
| 57.3 a | Not more than one connection to a particular supply mains | | N/A |
| | If alternative supply allowed, no safety hazards when more than one connection is made simultaneously | | N/A |
| | The mains plug has only one power supply cord | | N/A |
| | Non-permanently connected equipment provided with power supply cord or appliance inlet | | N/A |
| 57.3 b | Power supply cords sufficiently robust to comply with the requirements of IEC 227, designation 53 and IEC 245, designation 53 | | N/A |
| | Polyvinyl chloride insulated power supply cords not used for equipment having external metal parts with a temperature exceeding 75°C | | N/A |
| 57.3 c | Nominal cross-sectional area of conductors of power supply cords not less than in Table XV | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| 57.3 d | Stranded conductors not soldered if fixed by any clamping means | | N/A |
| 57.4 | Connection of power supply cords | | N/A |
| 57.4 a | Cord anchorages | | N/A |
| | Equipment provided with power supply cords has cord anchorages such that the conductors are relieved from strain, including twisting | | N/A |
| | Tying the cord into a knot or tying the ends with string not used | | N/A |
| | Cord anchorages made of insulating material or metal insulated from unearthed accessible metal parts by supplementary insulation | | N/A |
| | Cord anchorages made of metal provided with an insulating lining | | N/A |
| | Clamping screws do not bear directly on the cord insulation | | N/A |
| | Screws associated with cable replacement are not used to secure other components | | N/A |
| | Conductors of the power supply cord arranged that the protective earth conductor is not subject to strain as long as the phase conductors are in contact with their terminals | | N/A |
| 57.4 b | Power supply cord protected against excessive bending | | N/A |
| 57.4 c | Adequate space inside equipment to allow the supply cable conductors to be introduced and connected | | N/A |
| 57.5 | Mains terminal devices and wiring of mains part | | N/A |
| | Mains connected equipment other than those with a detachable supply cord provided with mains terminals, where connections are made with screws, nuts or equally effective methods | | N/A |
| | If a conductor breaks away, barriers are provided such that creepage distances and air clearances cannot be reduced | | N/A |
| | Screws and nuts which clamp external conductors not serve to fix any other component | | N/A |
| 57.5 b | Terminals closely grouped with any protective earth terminal | | N/A |
| | Mains terminal devices accessible only with use of a tool | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| | Mains terminal devices located or shielded that, should a wire of a stranded conductor escape when the conductors are fitted, there is no risk of accidental contact | | N/A |
| 57.5 c | Internal wiring not subjected to stress when the means for clamping the conductors are tightened or loosened | | N/A |
| 57.5 d | Cord terminals not require special preparation of the conductor | | N/A |
| 57.6 | Mains fuses and overcurrent releases | | N/A |
| | Fuses or over-current releases provided accordingly for Class I and Class II | | N/A |
| | Current rating of mains fuses and over-current releases such that they reliably carry the normal operating current | | N/A |
| | Protective earth conductor not fused | | N/A |
| | Neutral conductor not fused for permanently installed equipment | | N/A |
| 57.8 | Wiring of the mains part | | N/A |
| 57.8 a | Individual conductor in the mains part with insulation not at least electrically equivalent to that of the individual conductors of flexible supply cords complying with IEC Publications 227 or 245, treated as bare conductor | | N/A |
| 57.8 b | Cross-sectional area of conductors up to protective device not less than the minimum required for the power supply cord | | N/A |
| | Cross-sectional area of other wiring and the sizes of tracks on printed wiring circuits sufficient to prevent any fire hazard | | N/A |
| 57.9 | Mains supply transformers | | N/A |
| 57.9.1 | Overheating | | N/A |
| | External to the transformer protective devices connected in such a way that failure of any component cannot render the protective devices inoperative | | N/A |
| 57.9.1 a | Short-circuit of secondary windings not caused excessive temperature | | N/A |
| 57.9.1 b | Overload of secondary windings not caused excessive temperature | | N/A |
| 57.9.2 | The dielectric strength of the electrical insulation of a mains supply transformer such that it passes tests | | N/A |

| IEC 601 + Am. 1 and 2 | | | |
|---|---|---|---|
| Clause | Requirement + Test | Result - Remark | Verdict |
| 57.9.4 | Construction | | N/A |
| 57.9.4 a | Separation of primary and secondary windings | | N/A |
| | - separate bobbins or formers | | N/A |
| | - one bobbin with insulating partition | | N/A |
| | - one bobbin with concentric windings and having copper screen with a thickness of not less than 0.13 mm | | N/A |
| | - concentrically wound on one bobbin with windings separated by double insulation | | N/A |
| 57.9.4 c | Means provided to prevent displacement of end turns | | N/A |
| 57.9.4 d | Insulated overlap of not less than 3 mm if a protective earthed screen has only one turn | | N/A |
| 57.9.4 e | Insulation between the primary and secondary in transformers with double insulation | | N/A |
| | - 1 insulation layer having a thickness of at least 1 mm | | N/A |
| | - at least 2 insulation layers with a total thickness of at least 0.3 mm | | N/A |
| | - three layers provided that each combination of two layers can withstand the dielectric strength test for reinforced insulation | | N/A |
| 57.9.4 g | Exit of the wires of toroidal transformers provided with double sleeving complying with requirements for double insulation and having total thickness at least 0.3 mm extending at least 20 mm outside the winding | | N/A |
| 57.10 | Creepage distances and air clearances | | Pass |
| 57.10 a | Values:<br>compliance with at least the values of Table XVI | (see table for insulation diagram) | Pass |
| | Creepage distances for slot insulation of motors at least 50% of the specified values | No motors provided | N/A |
| 57.10 b | Minimum creepage distances and air clearances in the mains part between parts of opposite polarity not required if short-circuting does not produce a safety hazard | | N/A |
| 57.10 c | Creepage distances or clearances of at least 4 mm are maintained between defibrillation-proof applied parts and other parts | | N/A |