

### 4.2 TM34 SIS with Target and No External Connections

Shunts installed and tightened E-F-G-H-T-J-RFQ(H)	/
FEBIAD coil shunts installed and tightened P-Q-R-U	/

Ohm Meter Check					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Magnet Coil (U, Q)					
Anode (H)					
60kV Common (T)	OK	OK			
	Infinite	Infinite			
Chassis	OK	OK	OK		
	Infinite	Infinite	Infinite		
EE (I)	OK	OK	OK	OK	
	Infinite	Infinite	Infinite	Infinite	
Einzel Lens (Y)	OK				
	Infinite				

Megger Check (all @ 500V unless otherwise noted)					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Anode (H)					
60kV Common (T)					
60kV Common (T)	29M	OK			
	Infinite	Infinite			
Chassis	OK	OK	OK		
	Infinite @ 1000V	Infinite @ 1000V	Infinite		
EE (I)	OK	OK	OK	OK	
	Infinite	Infinite	Infinite	Infinite	
Einzel Lens (Y)	OK				
	Infinite				

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	
5.733	6.276	5.259	5.612	4.617	5.088	
4 - 5.7	5 - 6.8	4 - 5.3	5 - 6.8	4 - 5.3	4 - 5.5	

Backg. leak rate:	0.0x10 <sup>-9</sup>	HS leak rate:	No response
[atm-cc/s]	< 5E-9	[atm-cc/s]	< Backg. leak rate

Target: ULC#27	Date: September 5 2019
Location: SFC CS SHCpost	Signature: David Wang