

AIMMS - Data Reconciliation

Case	:	
Date of reconciliation	:	
Reconciliation performed by	:	

Reconciliation summary

Maximum flow error	:	5.0
Maximum composition error	:	5.0
Feasibility tolerance	:	0.00000
Objective error exponent	:	1.0

Observed error : 6.99

Reactor	Component	Creation [Mmol/h]
Reactor	N2	-3.10
Reactor	H2	-9.30
Reactor	NH3	6.20

Flow summary

Flow	Component	Measured composition [%]	Reconciled composition [%]	Observed error
Inflow	N2	26.96	26.96	
Inflow	H2	72.71	72.71	
Inflow	Ar	0.33	0.33	
Mix	N2	24.56	23.95	2.48
Mix	H2		71.08	
Mix	NH3		0.05	
Mix	Ar	4.91	4.91	
NH3-Mix	N2	19.99	19.99	
NH3-Mix	H2		59.08	
NH3-Mix	NH3		15.27	
NH3-Mix	Ar		5.66	
NH3-Flow	NH3		100.00	
Residu	N2		23.57	
Residu	H2	69.68	69.68	
Residu	NH3		0.07	
Residu	Ar		6.67	
Ar-Flow	N2		89.19	
Ar-Flow	Ar		10.81	
Feedback	N2		22.83	
Feedback	H2		70.48	
Feedback	NH3		0.07	
Feedback	Ar		6.62	

Composition summary

Flow	Measured flow [ton/h]	Reconciled flow [ton/h]	Molar flow [Mmol/h]	Observed error
Inflow	111.98	117.03	12.79	4.51
Mix		475.03	46.97	
NH3-Mix		475.03	40.77	
NH3-Flow	105.59	105.59	6.20	
Residu		369.44	34.57	
Ar-Flow		11.44	0.39	
Feedback	358.00	358.00	34.18	