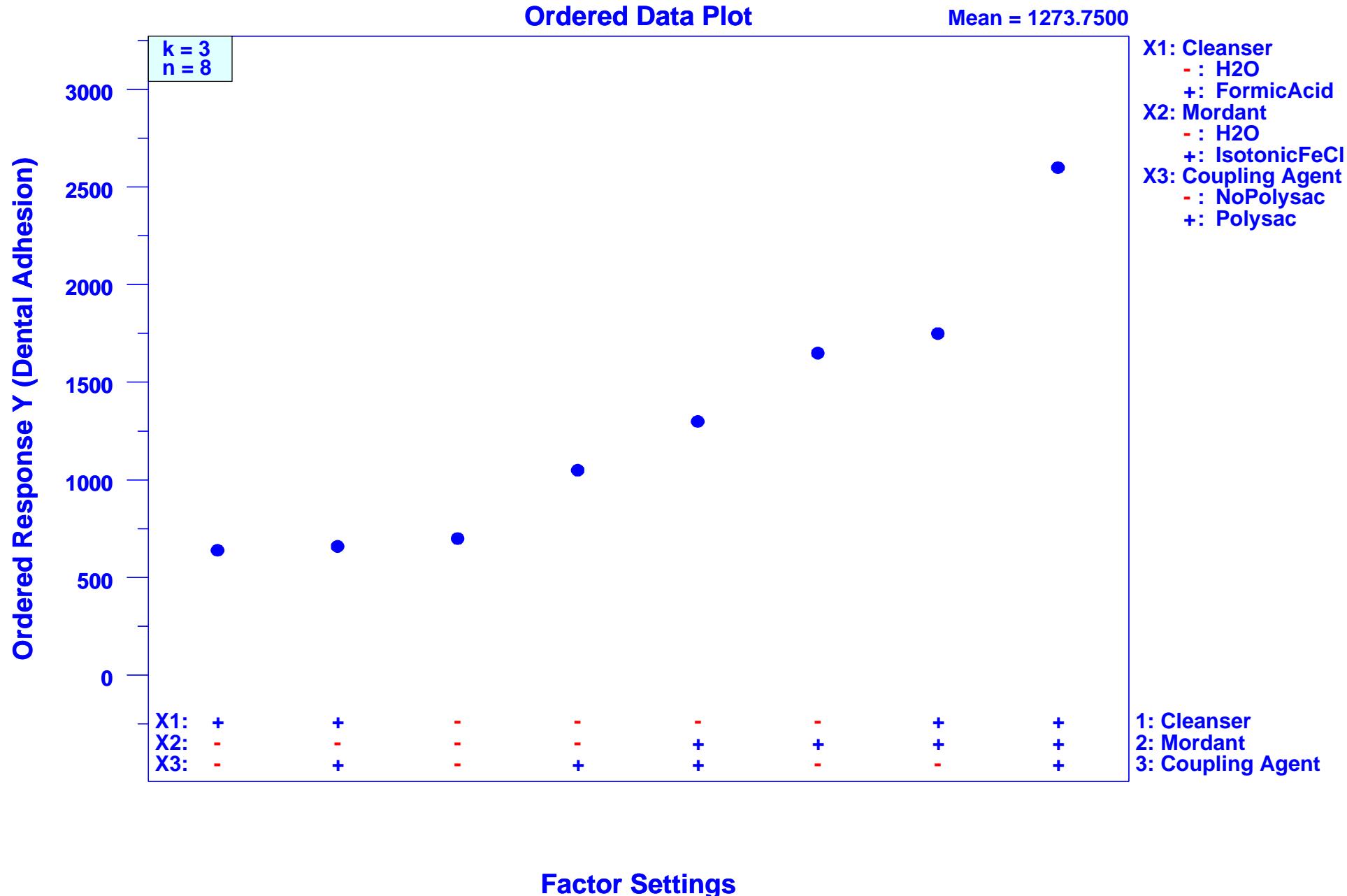


Factors Affecting Dental Polysac Adhesion (Ray Bowen Patent 4,251,565 2/17/81)

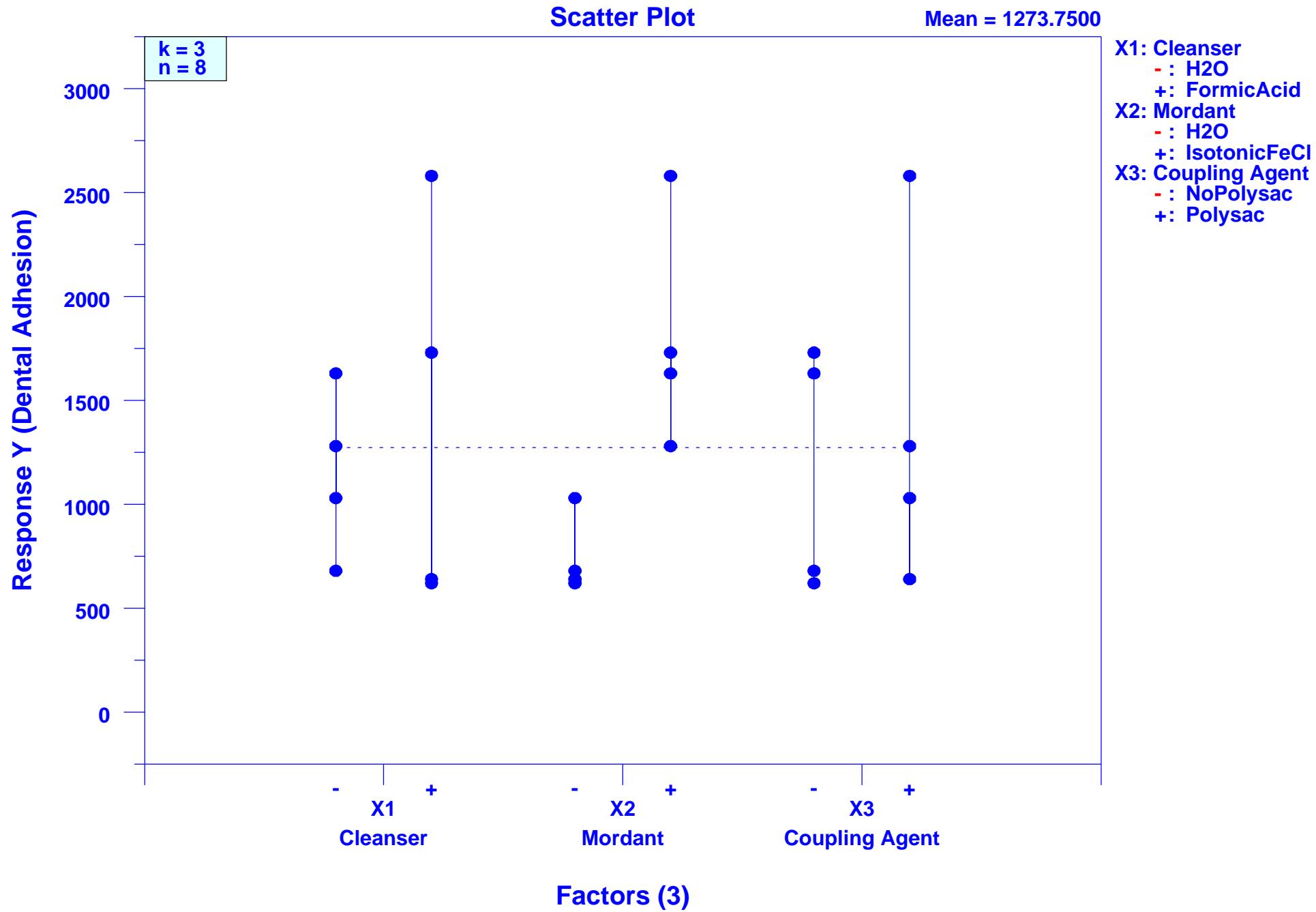
Design: $2^{**}3$ ($k=3, n=8$)

2/23/15
1



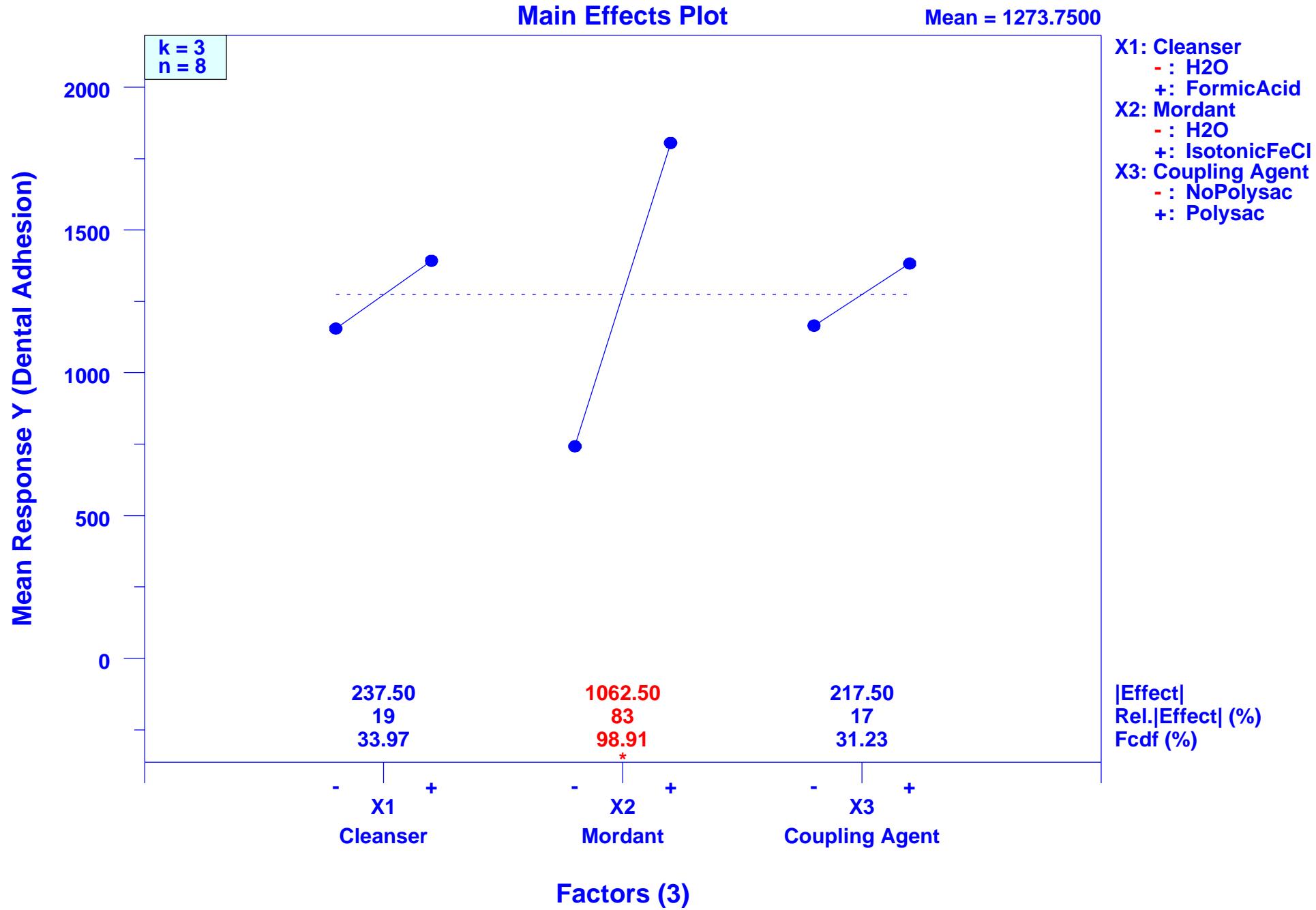
Factors Affecting Dental Polysac Adhesion (Ray Bowen Patent 4,251,565 2/17/81)

Design: 2^{**3} ($k=3, n=8$)



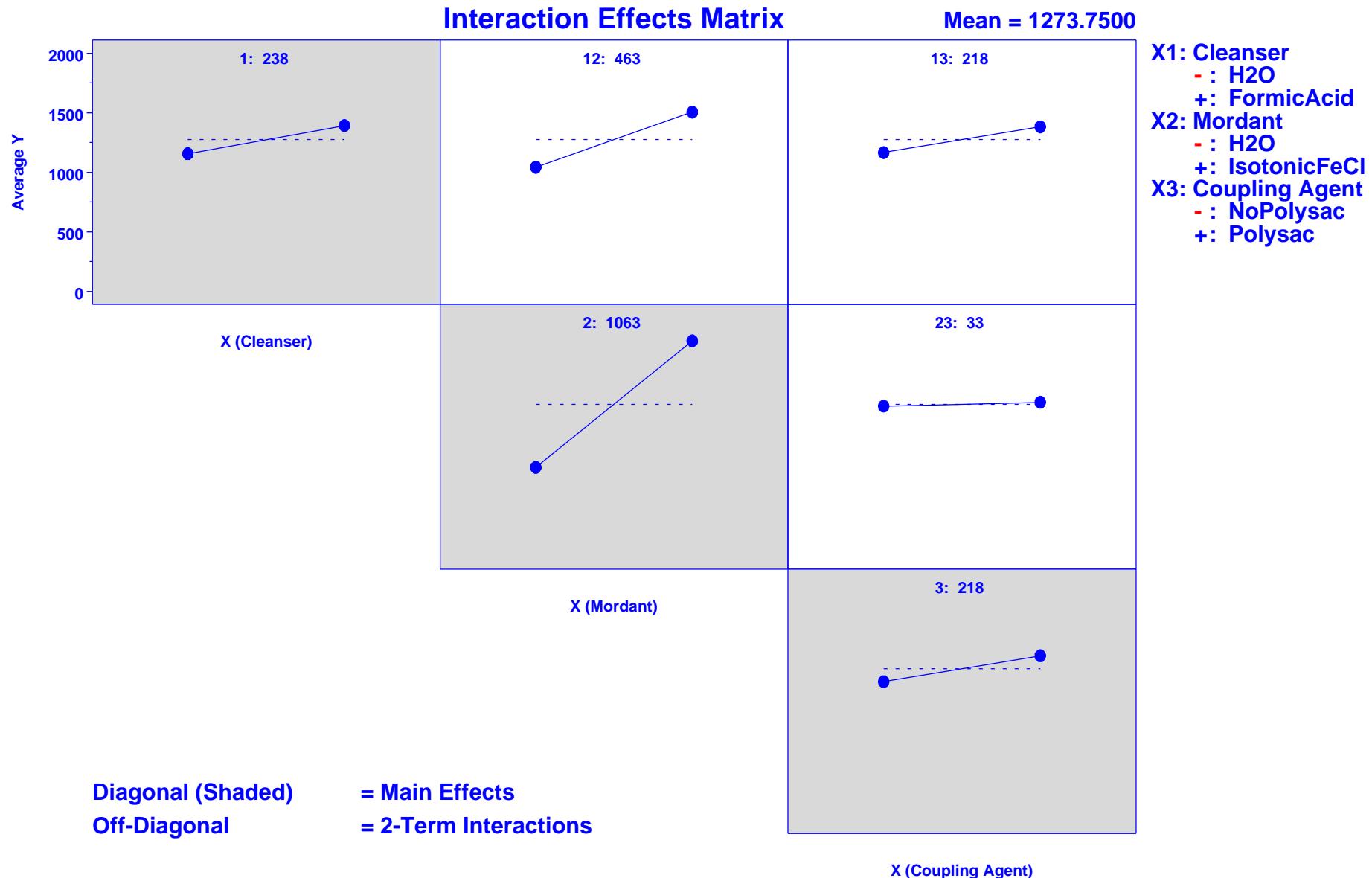
Factors Affecting Dental Polysac Adhesion (Ray Bowen Patent 4,251,565 2/17/81)

Design: 2**3 (k=3,n=8)



Factors Affecting Dental Polysac Adhesion (Ray Bowen Patent 4,251,565 2/17/81)

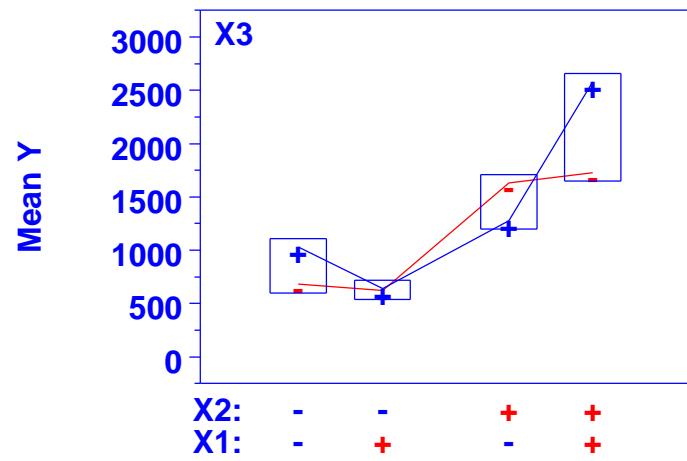
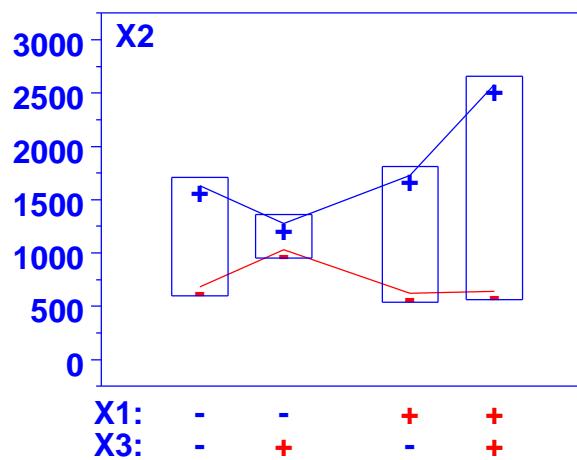
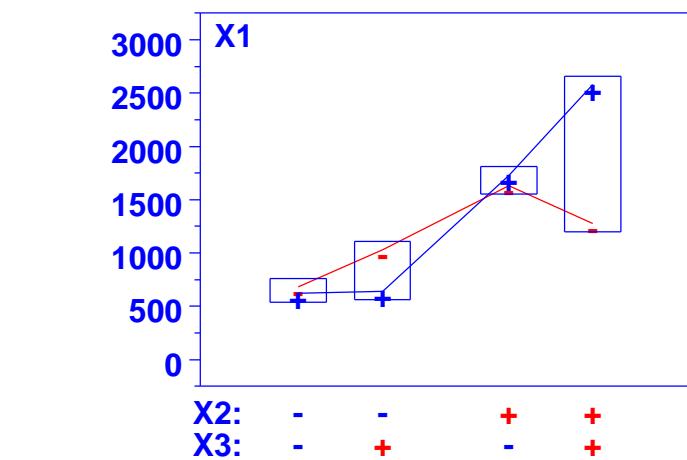
Design: 2^{**3} ($k=3, n=8$)



Factors Affecting Dental Polysac Adhesion (Ray Bowen Patent 4,251,565 2/17/81)

Design: $2^{**}3$ ($k=3, n=8$)

Block Plot



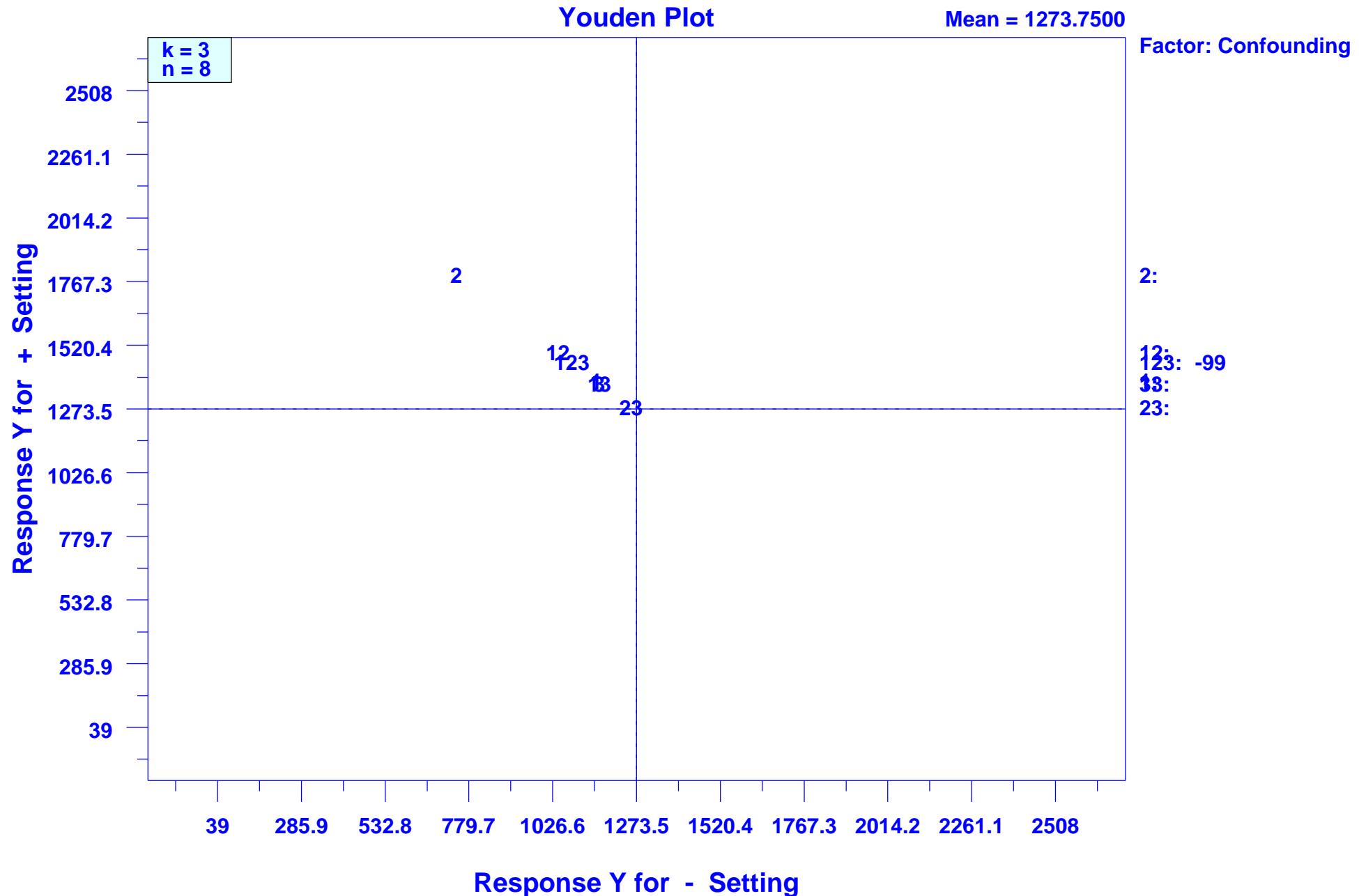
Robustness Factor Setting

X1: Cleanser
 - : H₂O
 + : FormicAcid

X2: Mordant
 - : H₂O
 + : IsotonicFeCl

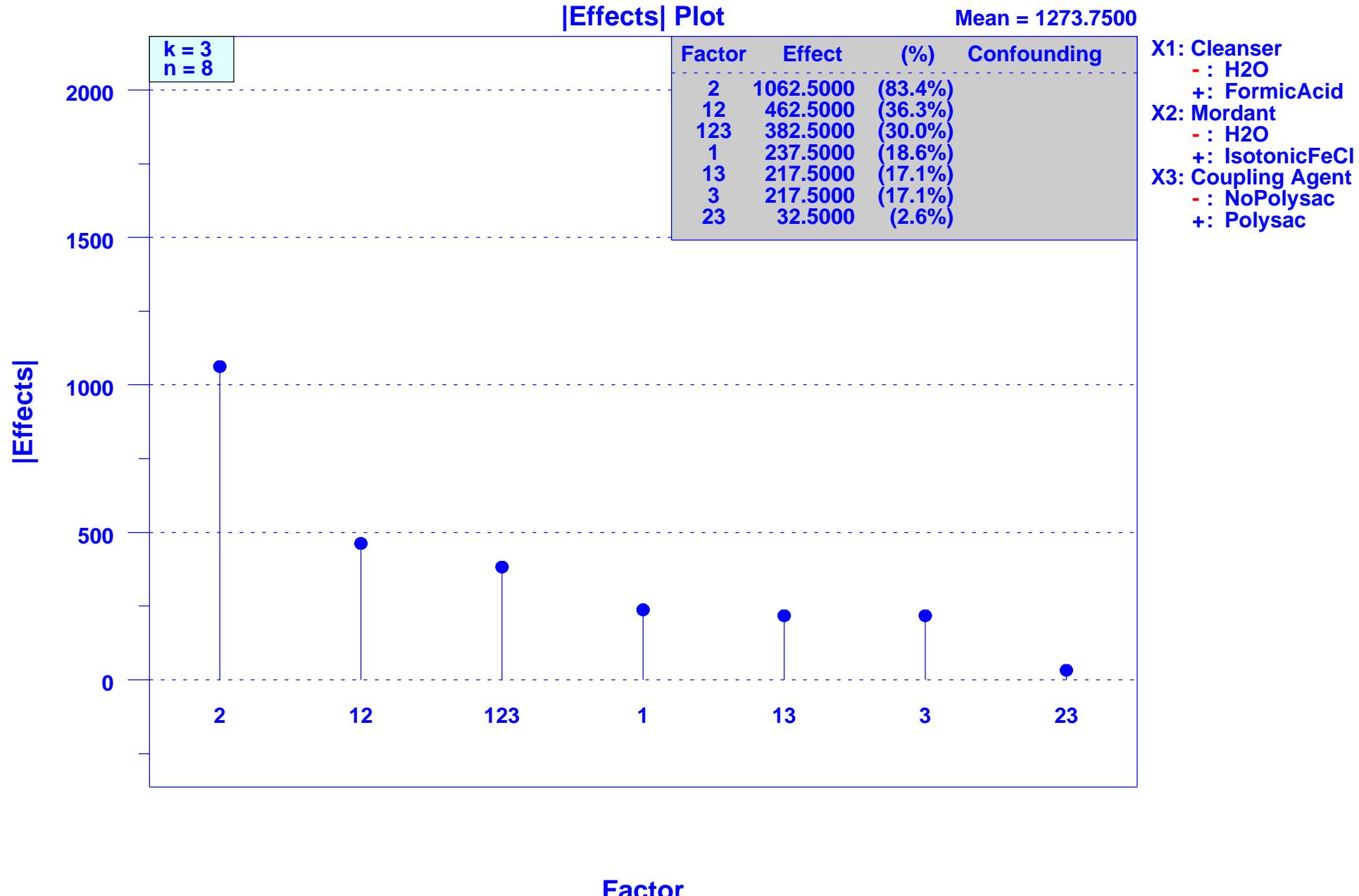
X3: Coupling Agent
 - : NoPolysac
 + : Polysac

Factors Affecting Dental Polysac Adhesion (Ray Bowen Patent 4,251,565 2/17/81)
Design: 2^{**3} ($k=3, n=8$)

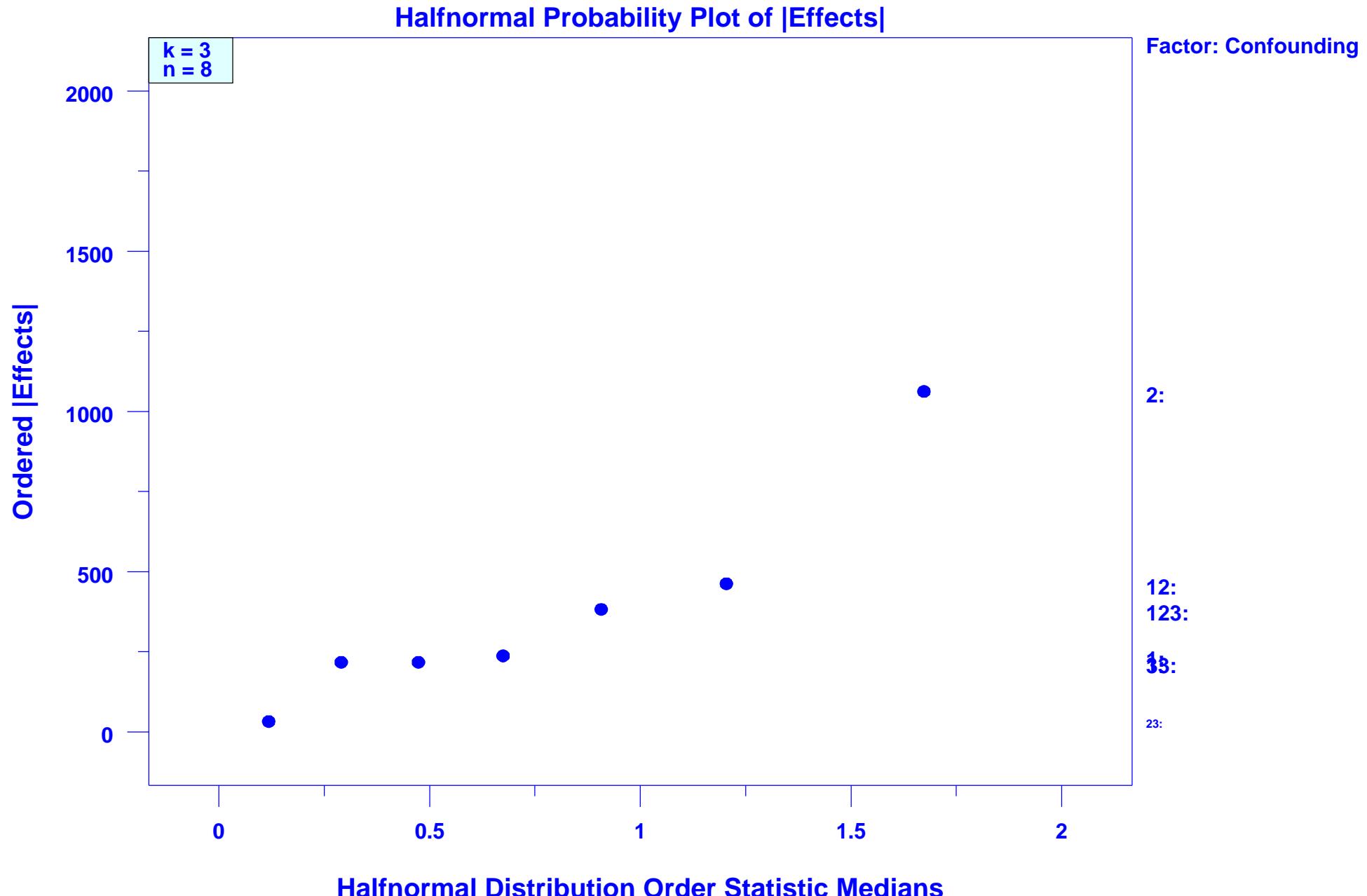


Factors Affecting Dental Polysac Adhesion (Ray Bowen Patent 4,251,565 2/17/81)

Design: 2**3 (k=3,n=8)

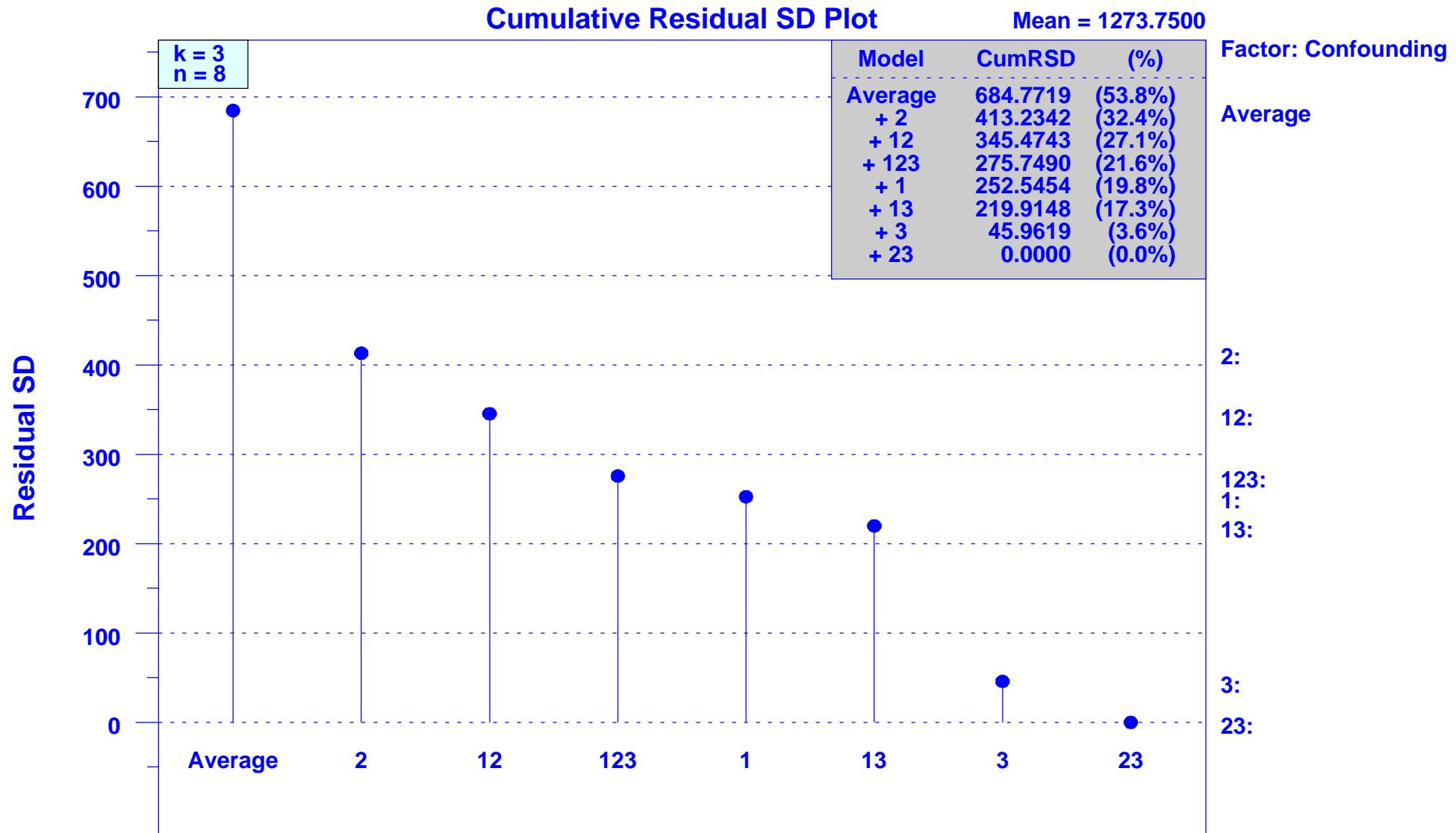


Factors Affecting Dental Polysac Adhesion (Ray Bowen Patent 4,251,565 2/17/81)
Design: 2^{**3} ($k=3, n=8$)

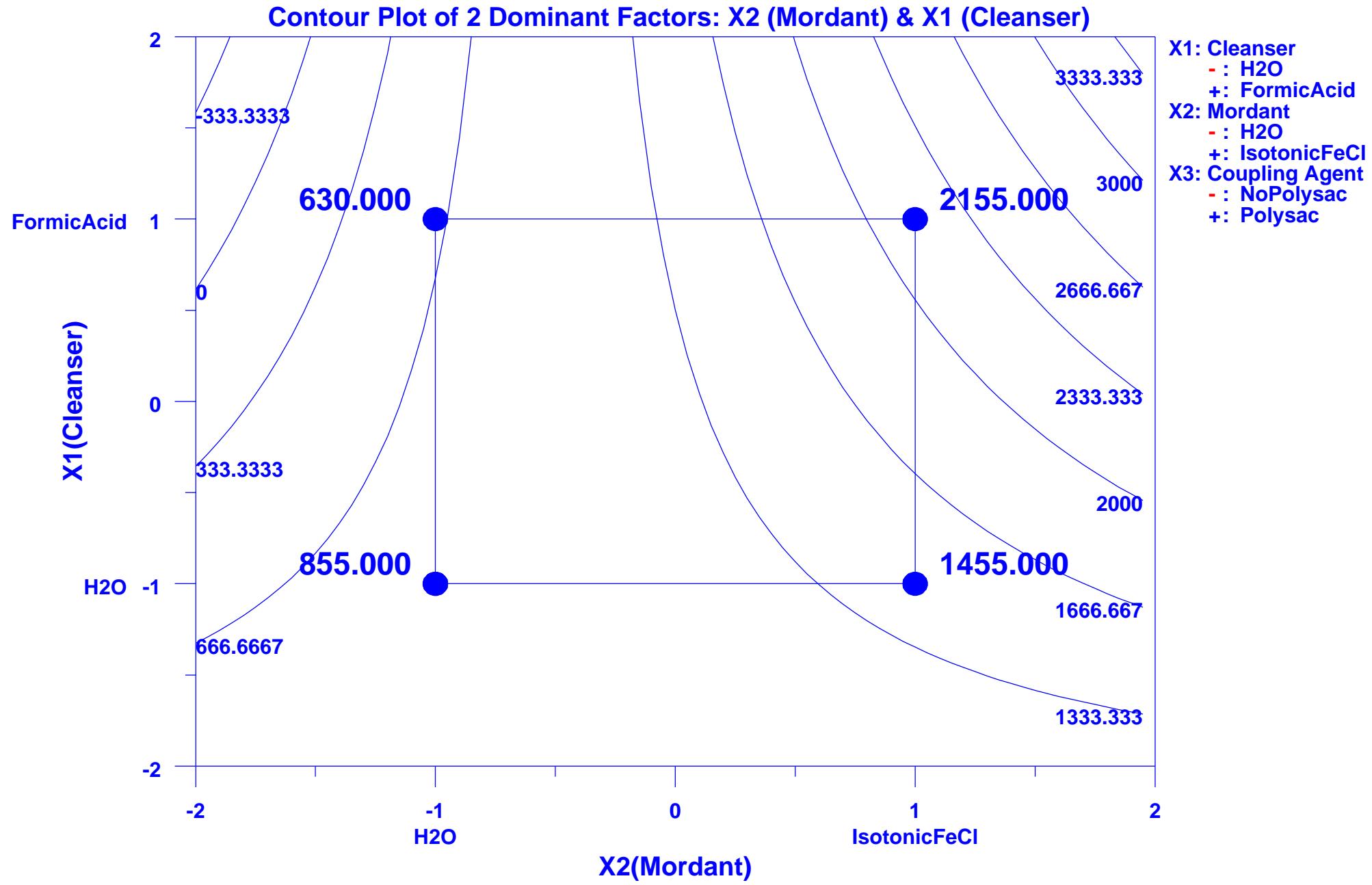


Factors Affecting Dental Polysac Adhesion (Ray Bowen Patent 4,251,565 2/17/81)

Design: 2^{**3} ($k=3, n=8$)



Factors Affecting Dental Polysac Adhesion (Ray Bowen Patent 4,251,565 2/17/81)
Design: 2^{**3} ($k=3, n=8$)



Center-Point Predicted Value (From 2-Factor Edge-based Model) = 1273.7500