Let X_1, X_2, \dots, X_n be iid $\sim Q(x)$ Let $E \subset \mathbf{P}$ be a set of probability Distributions over the finite alphabet H. Then $Q^{n}(E) = Q^{n}(E \cap \mathbf{P}_{n}) \le (n+1)^{|H|} 2^{-nRE(P^{*}|Q)}$

Where
$$P^* = \min_{P \in F} RE(P \parallel Q)$$