



## ZIBO KUNRAN ENTERPRISES CO LTD.

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## Specification for HF

### HYDROFLUORIC ACID

Molecular Formula: HF	H.S. Code: 281111		
Molecular Weight: 20.01	UN No. :1790		
Quality Standard: GB 7744-2008	Class: 8 (6.1)		
Index Name	Index		
	A	B	C
Hydrofluoric(HF), % $\geq$	70	55	49
Sulphate Content(SO <sub>4</sub> ), % $\leq$	0.02	0.02	0.02
Fluorosilicate(SiF <sub>6</sub> ), % $\leq$	0.03	0.02	0.02

#### 1.Properties:

The product has a strongly pungent odor and a strong toxicity. It is very corrosive. And it is a colorless and transparent solution. Sometimes under the strong sunlight or high temperature environment, packaging especially white ones and product appearance can produce yellow or light brown change, which are the normal phenomenon and will not affect the use.

#### 2.Application:

The product is used in Chemical industry, Metallurgical Industry, Glass Industry, Mine and chemical reagent and electro-clean, Petroleum, Atomic Energy Industry.

#### 3.Storage:

The product should be stored in a storehouse with good ventilation.

#### 4.Packing:

The product is refilled in a polythene plastic drum; net weight is 230kg per drum. Of course, we can also fill it on consumers' requests.

## CERTIFICATE OF QUALITY(Typical data)

Sample Name: HYDROFLUORIC ACID 70%	Batch Numbers: HF20140402
Sample Place: NO. 3 WORKSHOP	Net Weight: 18.4MT
Sample Time: APR.02,2014	Report Time: APR.02,2014

Place of Origin: SHANDONG DONGYUE CHEMICAL CO., LTD.

### ANALYSIS RESULT

ITEM	SPECIFICATION	RESULT
HYDROFLUORIC (HF) %	70% min	70.08%
NON-VOLATILE ACID (H <sub>2</sub> SO <sub>4</sub> ) %	0.02 % max	0.0169%
FLUOROSILICATE(SiF <sub>6</sub> ) %	0.03 %max	0.0174%

Remarks: EXCELLENT GRADE

Analyst: DUDE REN	Checker: LIANG FENG
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