

# Spontan USA IPA

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **75**
- SRM **4.3**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (90.9%)	80 %	5
Grain	Jęczmień niesłodowany	0.5 kg (9.1%)	75 %	2

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	10 g	60 min	13 %
Boil	Citra	10 g	60 min	12 %
Boil	Lemon drop	10 g	60 min	4.6 %
Boil	Summit	15 g	40 min	17 %
Boil	Ahtanum	15 g	40 min	5 %
Boil	Summit	15 g	15 min	17 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM53 Voss kveik	Ale	Liquid	33 ml	FM

## Extras

Type	Name	Amount	Use for	Time
Fining	Mech Irlandzki	15 g	Boil	15 min