

# Azaka Voodoo

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- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **33**
- SRM **4.1**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.7 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)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **16.5 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **1 min** at **76C**
- Sparge using **16.7 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (90.9%)	80 %	5
Grain	Płatki owsiane	0.5 kg (9.1%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	10 g	60 min	10.5 %
Whirlpool	Citra	20 g	30 min	12 %
Whirlpool	Mosaic	20 g	30 min	10 %
Whirlpool	Azacca	10 g	30 min	14 %
Dry Hop	Citra	80 g	3 day(s)	12 %
Dry Hop	Mosaic	80 g	3 day(s)	10 %
Dry Hop	Azacca	40 g	3 day(s)	14 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM54 Gorączka kalifornijska	Ale	Slant	300 ml	Fermentum Mobile

## Extras

Type	Name	Amount	Use for	Time
Fining	Mech irlandzki	1 g	Boil	10 min
Other	Witamina C	4 g	Bottling	---