

# DDHIPA

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- Gravity **20 BLG**
- ABV **8.8 %**
- IBU **31**
- SRM **7.8**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **31.5 liter(s)**

## Steps

- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **77 C**, Time **0 min**

## Mash step by step

- Heat up **22.5 liter(s)** of strike water to **75.2C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **72C**
- Keep mash **0 min** at **77C**
- Sparge using **12.9 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (55.6%)	80 %	7.5
Grain	Viking Wheat Malt	2 kg (22.2%)	83 %	14
Grain	Płatki ryżowe	1 kg (11.1%)	60 %	3
Grain	Płatki owsiane	1 kg (11.1%)	60 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	30 g	30 min	13 %
Aroma (end of boil)	Mosaic	25 g	5 min	10 %
Aroma (end of boil)	Amarillo	25 g	5 min	9.5 %
Dry Hop	Chinook	20 g	5 day(s)	13 %
Dry Hop	Mosaic	25 g	5 day(s)	10 %
Dry Hop	Amarillo	25 g	5 day(s)	9.5 %
Dry Hop	Nelson Sauvignon	30 g	5 day(s)	11 %

## Yeasts

Name	Type	Form	Amount	Laboratory
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Safale US-05	Ale	Dry	22 g	Fermentis
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### Extras

Type	Name	Amount	Use for	Time
Fining	mech irlandzki	35 g	Boil	15 min