

# Sour Panda

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **23**
- SRM **4.5**
- Style **Gose**

## 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 **5 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **15 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **15 min** at **72C**
- Sparge using **10.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (66.7%)	80 %	5
Grain	Strzegom Pszeniczny	1 kg (16.7%)	81 %	6
Grain	Płatki owsiane	0.5 kg (8.3%)	85 %	3
Grain	Płatki pszeniczne	0.5 kg (8.3%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnat	20 g	60 min	11.2 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale K-97	Ale	Slant	900 ml	Fermentis

## Extras

Type	Name	Amount	Use for	Time
Flavor	pulpa mango	1500 g	Secondary	7 day(s)
Flavor	mrożone porzeczki	1500 g	Secondary	7 day(s)