

# kwaśne malinowe

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- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **12**
- SRM **3.4**
- Style **Fruit Beer**

## 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 **70 %**
- Liquor-to-grist ratio **5 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **27 liter(s)**

## Steps

- Temp **72 C**, Time **60 min**
- Temp **78 C**, Time **2 min**

## Mash step by step

- Heat up **22.5 liter(s)** of strike water to **77.2C**
- Add grains
- Keep mash **60 min** at **72C**
- Keep mash **2 min** at **78C**
- Sparge using **7.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	soufflet pilzneński	2.5 kg (55.6%)	80 %	4
Grain	soufflet pszeniczny	2 kg (44.4%)	80 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Aroma (end of boil)	Marynka	25 g	20 min	6.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	100 ml	Fermentis
Lactobacillus plantanarum	Ale	Culture	9 g	---

## Notes

- 20 kapsułek SANPROBI IBS  
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