

klon Punk IPA

- Gravity **13.3 BLG**
- ABV ---
- IBU **41**
- SRM **5.6**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **15 %**
- Size with trub loss **21.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **25.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

Steps

- Temp **67 C**, Time **60 min**

Mash step by step

- Heat up **17.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **12.7 liter(s)** of **76C** water or to achieve **25.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------|-------------|-------|-----|
| Grain | Simpsons - Maris Otter | 5 kg (100%) | 81 % | 6 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------------|--------|----------|------------|
| Boil | Chinook | 2 g | 60 min | 13 % |
| Boil | Chinook | 20 g | 30 min | 11 % |
| Boil | Chinook | 8 g | 15 min | 11 % |
| Boil | Nelson Sauvin | 8 g | 15 min | 12 % |
| Boil | Simcoe | 8 g | 15 min | 13 % |
| Boil | Ahtanum | 18.5 g | 1 min | 6 % |
| Boil | Chinook | 18.5 g | 1 min | 11 % |
| Boil | Nelson Sauvin | 18.5 g | 1 min | 12 % |
| Boil | Simcoe | 18.5 g | 1 min | 13 % |
| Dry Hop | Chinook | 28.5 g | 5 day(s) | 13 % |
| Dry Hop | Nelson Sauvin | 28.5 g | 5 day(s) | 12 % |
| Dry Hop | Simcoe | 28.5 g | 5 day(s) | 13 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|--------------|-----|-----|--------|-----------|
| Safale US-05 | Ale | Dry | 11.5 g | Fermentis |
|--------------|-----|-----|--------|-----------|

Notes

- <http://www.hoptomology.com/2013/10/11/getting-punkd-brewing-up-a-brew-dog-punk-i-p-a/>
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