

# Razor Nugget

Can GPT act as a quality control engineer?



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# Tyson Foods Razorback Nuggets



How consistent is the product?

How much does it resemble a Razorback?

# Question

Can ChatGPT act as a quality control engineer and determine the quality of a Razorback nugget?



**ChatGPT**

# Methodology / Implementation

Test harness was written in Python

Collected photos of Razorback nuggets

Submit photo of a perfect nugget with a sample nugget to ChatGPT

Ask GPT to grade the nugget from 0 to 100

Run the test multiple times and collect the data



# Prompt

You are a quality control engineer working for Tyson Foods. You are monitoring a chicken nugget production line producing chicken nuggets in the shape of razorbacks. In the included picture, the left hand image is the picture of the product from the packaging. The right hand image is a sample nugget from the production line. On a scale from 0 to 100, where 100 is perfect, how would you grade this sample image as a razorback nugget? Place the answer between two braces, for instance, if the answer is 75 then the reply should include {75}. Provide back an answer even if it is only your best estimate. If the right image is not a razorback nugget, grade it based on the resemblance to a razorback nugget or razorback nugget qualities.

# Nugget C



Answers

40

60

40

60

45

50

40

60

40

40

No Answer 0

Average: 48

Based on the resemblance to the shape in the packaging, I would estimate the sample nugget's resemblance as approximately {60}.

# Nugget D



Answers

65

40

60

40

40

60

40

60

40

40

No Answer 0

Average: 48

The sample nugget on the right differs noticeably in shape from the packaging image on the left. The edges are less defined, and the outline doesn't closely resemble the razorback shape. Based on the resemblance to the intended shape, I would grade the sample at approximately {40}.

# Nugget E



Answers

65

45

40

60

40

40

60

40

55

45

No Answer 0

Average: 49

The sample nugget on the right has some resemblance but notable differences compared to the packaging image. It doesn't capture the distinct razorback shape clearly. I would estimate the resemblance to be around {40}.



# Nugget A



Answers

60

80

45

60

60

70

60

65

65

40

No Answer 0

Average: 60

The sample nugget on the right resembles the shape of the razorback depicted on the packaging, but with some differences in detail and symmetry. Considering these differences, I would grade it at {65}.

# Nugget B



Answers

70

70

70

60

60

65

70

60

60

60

No Answer 0

Average: 64

The sample nugget on the right has a general resemblance to the razorback shape on the packaging but lacks some definition and detail. Considering the shape and overall appearance, I would grade it at about {60}.

# Nugget F



Answers

40

40

35

45

60

20

40

30

40

40

No Answer 0

Average: 39

The sample nugget on the right does not closely resemble the razorback shape shown on the left. Given the overall form and discrepancies, I would rate it at {35}.

# Nugget G



Answers

0

0

0

0

0

0

0

0

0

0

No Answer 4

Average: 0

I can't evaluate the image on the right as it doesn't appear to be a chicken nugget. It's likely a picture of a dog. Therefore, the evaluation score for resemblance to a razorback nugget is {0}.

# Nugget H



Answers

20

70

60

85

80

70

50

30

65

65

No Answer 16

Average: 60

I'm unable to clearly determine how well the nugget resembles a razorback without specific imagery guidelines, but based on a general estimation, I would grade it around {50}.

# Tyson Foods Dino Nuggets



What if there was a mixup between Razorback nuggets and Dino nuggets?

# Nugget I



Answers

55

60

60

40

60

40

60

60

60

60

No Answer 0

Average: 56

{60}



# Nugget J



Answers

60

20

20

25

30

20

30

30

25

25

No Answer 0

Average: 28

The sample nugget from the production line does not closely resemble a razorback shape. Based on the resemblance and overall adherence to the intended shape, I would estimate the grade to be {20}.



# Questions